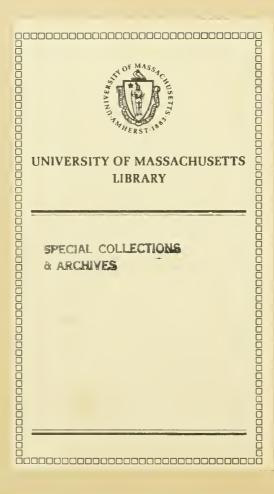


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ON

AGRICULTURE, HORTICULTURE,

RUBAL AND DOMESTIC ECONOMY,

AND

INTERNAL IMPROVEMENTS;

WITH

ILLUSTRATIVE ENGRAVINGS AND THE PRICES OF COUNTRY PRODUCE.

JOHN S. SKINNER, EDITOR.

"O fortunatos nimium sua si bona norint,

"AgricolasVIRG.

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IN REPLY TO AGRICOLA-No. 52.

"Old facts better than new" stories.

To the Editor of the American Farmer.

SIR,

I congratulate you, upon the display of subtle talent, which has not merely traced the properties, qualities, and propensities, of certain bulls, and calves, but has most ingeniously, attempted to expound the "blind prejudices," "partialities," and motives of some of your active friends. Although you, very naturally court for the columns of the Farmer, the elaborate, and excursive effusions of accomplished, and erudite writers, whose sarcasm, could give point, or whose cloquence, might convey zest, for your paper; yet I am assured, that you will not forget, that if professional authors, sometimes gain notoriety, whilst dealing in fiction, farmers, and men of "understanding," have a strange, old fashioned regard, for fact. Without noticing the "challenge," or appeals to "good judgment," I shall confine myself to the passages, to which Agricula adverts, quoting the Report of the Philadelphia Show, whence his assertions without evidence, his imputations without justice, his jests without point, and his plaudits without reason, are mainly derived.

I have not the slightest objection, that he should assert, that the wealthy, and zealous proprietor, of the Hampton Estate, possesses a better breed of cattle, than the united efforts of all the breeders of Europe, or America can produce: nor shall I labour

to confute, by a newspaper essay, the notions, with which any untiring writer, may find amusement for your readers, or himself.

It was not contended, "page 74, vol. 5," that "whatever excellence, may be found, in any other breed, is to be traced to a certain degree of relationship, to the Short Horns." Curwen but said-"among my stock, a Chinese and Devon heifer, a yearling and cow, from an imported Devon, by an English bull, also heifers, and cows, bred upon our meadows and mountains, have been placed to decide the questions which have caused, among breeders, so much dispute. All my experience has shown, that the extent of excellence, in the animal, whether in points, properties, shape, disposition; early maturity, or tendency to secrete fat, or afford rich milk, is determined by the degree of affinity to the pure race of Improved Short Horns."

Here is a direct allusion to the previous passage, referring to the contrast, made with Short Horns, and the animals which had been placed among the stock to determine the question, &c.

It is strangely alleged by Agricola, that "a cor-respondent would fain induce the serious belief, that the Teeswaters possess the amazing quality of being able to subsist without food."

Here again he imagines, the word Teeswater, which, on reference to the paper, to which his note applies, cannot be found.

l would ask whether, even a citizen farmer, may not have read, that in Maryland, cattle are some-

times coerced to find support upon maize stalks, husks and growing rye, when "the barns are without fodder, and the fields are bare of grass, in the spring."

Page 122, vol. 4, American Farmer, the report of the Philadelphia Cattle Show, barely mentions, in the following words, the animal which has enabled Agricola to fill two columns of your paper. "The premium for the best steer, not more than five nor less than one year old, \$10, to Mr. Lowry for his brindle and white steer of three years, raised by him-

He was not exhibited, as of Teeswater blood. nor was he so called, at the Show, nor even since, until a wag, with a view of boaxing the Dillettanti, stated to a respectable butcher, that a gentleman, whose name has influence in such weighty concerns, thought he showed a little of the old Heaton Tecswater blood imported in 1794.

Page 74, vol. 5, American Farmer, Curwen states, after having possessed cattle of "families of various degrees of affinity to the pure race of Short Horns, carried to New York by Col. Deveaux and Mr. Heaton, and having given great prices for them, as well as others, yet the best of them all he sold for but sixty dollars a head, about the time he gave nearly five hundred dollars for two Improved Short Horn cows."

Your obedient servant, VERITAS.

AMERICAN FARMER.

RUBAL ECONOMY, INTERNAL IMPROVEMENTS, PRICE CURRENT.

"O fortunatos nimium sua si bona norint "Agricolas." VIRG.

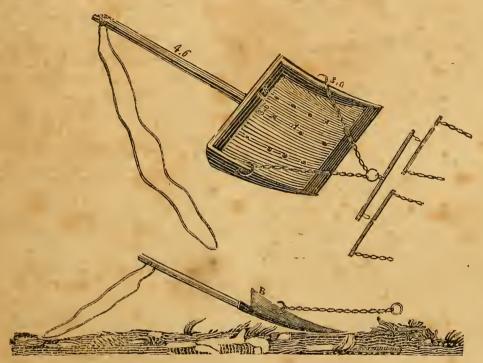
Vol. vi.

BALTIMORE, FRIDAY MARCH 26, 1824.

NUM. 1.

THE MOULDEBAERT.

AN IMPLEMENT IN FLEMISH HUSBANDRY, AND HIGHLY RECOMMENDED IN RADCLIFFE'S REPORT, &c. &c.



[It has been recommended to us, by a friend of excellent judgment, to whom we loaned the report of Flemish husbandry, to cause an engraving to be made of the mouldebaert, as it is called; which seems to have served as a model of the scrapers used in the construction of turnpike roads, cattle water ponds, &c. It is obvious, that such an implement, of cheap and simple structure, as it seems to be, would be highly useful on all farms. Whenever it is desirable to gather up and remove the surface of the ground, this machine would aid in the operation, with great saving of labour. By means of it, for example, an old dunghill, the have accordingly caused it to be engraved, and easiest and most expeditious manner, which has should suppose that it may also expedite established its general use in Flanders, and ought greatly, the formation of rough ditches and drains, t lead off the superfluous water of low lands; and every observant farmer, knows that

our patrons, a view of this contrivance, so highly recommended by the able author of the report in question, and feel that we may safely leave it to their better judgment, to turn it to leave it to their better judgment, to turn it to the English acre; and laid under, by a light the best account. It will be a satisfaction to ploughing. This terminated the preparation, know, that it has been tried and found useful.] Edit. Am. Far.

Description of the Mouldebaert-and Manner of reclaiming Wet Land.

This implement is called the mouldebaert, and resembles a large square malt-shovel; it is strongly prepared with iron on the lower side; and is means of it, for example, an old dunglill, the ly prepared with from on the lower side; and is ground immediately about kitchens, and farm houses, after being ploughed up, would be readily gathered into heaps, for the cart, to be removed to the compost heap—so with old head land, the line of old fences, &c.—We fully adopt the opinion of our friend, as cannot be said of its efficacy in removing soil to the general utility of the mouldebaert, and from one part of the field to another, in the

front, or edge of the machine, to dip, and catch against the ground, whereby it is at once inverted and emptied of its load. The extremity of the handle, to which a rope is affixed, by this inversion strikes against, and rests upon the swingletree bar, and in this manner the mouldebaert is drawn along towards the accumulated earth, when, by taking up the rope, the driver draws back the handle, collects his load as before, pro-ceeds to the spot which is to receive it, and the horses are never for a moment delayed.

The saving of time and labour, in filling, and emptying, gives this implement a decided superiority over the cart; nor is the ground so much injured by this, as by wheels. How well may it be applied in manuring a field with compost from the head ridges; and how valuably, in most cases of levelling, either in the farm or the de-

Having formed the broad sets as has been mentioned, by means of this valuable implement. the next chief care was to get rid of the surfacewater, by cutting trenches across them with the spade, where required, and by clearing up all the old ditches to give it free passage, an opera-tion repaid by the manure thus procured, which being turned and exposed to the atmosphere for a scason, was spread upon the surface with good effect. The improvement of this land, however, was only to be compassed through the medium of a perfect fallow. In autumn the fields received a light ploughing and harrowing, and the sets were then formed: in December, a deep ploughing, to lay the soil up high to the influence of the frost; at which period the transverse furrows were cut to let the water run off. In March another deep ploughing and harrowing, after which the manure raised from the ditches was spread upon the surface, so as to preserve the rounded form of the sets. In August, quicklime was spread in a pulverised state, at the rate of sixty hectolitres to the mesure, about one hundred and fifty-six bushels (Winchester) to

1st year Winter barley, No manure, but the 2d. Beans and Flax, previous liming, &c. equal moieties,
3d. Winter barley, with a moderate application

of urine, in the spring, 4th. Beans, vetches, and turnips,

5th. Wheat or oats, with clover, 6th. Clover, manured with ashes,

7th Clover cut once, and ploughed under,

8th. Potatoes, with farm yard manure.

From this the same succession begins again; but the land received a second dressing of lime. The greatest attention was paid to the clearing up of all channels, for the water to pass freely; great attention also, as is always the case in Flanders, to the removal of weeds, and that the foregoing operations both of ploughing and sow-

ing, should be performed in dry weather.

By these means, this intelligent gentleman succeeded in producing crops that amply repaid such lands, let seasons be as dry as they may, go forward, collects, and transports about 5 cwt never produce, to their full c pacity, if water of earth to the place where it is to be deposited; be allowed to settle on any part of them. We which is effected in the most summary manner, however, discharge our duty, in submitting to by his letting go the handle. This causes the

Domestic Economy.

EXPERIMENTS IN REARING POULTRY

REMARKS ON THE CAUSE OF THE GAPFS IN CHICKENS, AND THE BEST METHOD OF AVOID ING .- With Editorial notes thereon.

TO THE EDITOR OF THE AMERICAN FARMER.

Dear Sir,

Among poultry women, it is an axiom, not to plan I then adopted, was this—I put one hen, and let young poultry go abroad very early in the eight chickens in a coop, with bars in front, so that day—it may be that, if the worms are picked the chickens could have free ingress and egress; from the earth, the sun drives them below the this coop I put in a dry and healthy situation— the cold we have surface. That there is something in old dunghills, unpropitious to the rearing of barn-door that do not sit constantly, but trust chiefly to the fowls, is well known, for it is invariably found, heat of the sun, as the crane, heron, ostrich, &c. that they succeed best, where new establishments are made on new ground—doubtless, too, the vermin that infest old poultry houses are detailed. The full project of the hen in this country is a further opposition.

The full project of the hen in this country is a further opposition. structive of the health and life, both of young and old fowls, ploughing up and removing the said to be a day or two less. The following table twelve chickens—I put them all with one hen, in cleansing, by white washing and other means, of the nests, coops, &c. &c. are indispensable pretion, compared with those of the life of certain are now living. birds and mice, the most acceptable food that can be put in their way—and they are, it may be presumed, good judges of what is suitable for them.

While on this subject, let us add a word on the subject of

INCUBATION.

It happened the other day, that in company with a pair of charming young ladies from the country, we volunteered our services, to recommend them to a pair of clever young fellows, who had solicited our aid in the same way; but we required, as the condition of our good offices, that these fair nymphs should submit, to an examination on certain points of housewifery-knowledge, and accordingly amongst other questions, we catechised them on the time of incubation. and the number of eggs to be committed to different fowls.

They went through the examination passably well, much better than some young lawyers we others, the following table, which we would corn meal ninxed with water, being the best diet. ing members were admitted: have learned by fractice, as certainly as they Thirst will prompt them to eat more than they learn their multiplication table, if they would otherwise do, in order to get the water Robert Heterick, prepare themselves as they ought, to obey the junction of scripture which—we need not quote drawn and washed, whenever used.

of the body of the hen, will raise the thermome with sharp scissors, put a stich or two in the ter when she sits upon her eggs. In those birds, wound,—Edit. Am. Far.

worm produces the disease, I believe that the out the coop as they liked, but were confined to disease produces the worm, if indeed there is a the room—I fed all, as well those out doors as since, I removed from the city of New York, to throve well for about a week, when those in a part of the country, where I had not the condoors began to droop, and refused their food; this venience of a butchers' stall or cart, and al- I changed to mashed potatoes and Indian meal It has heretofore been the received opinion, that the disease called the gapes in chickens, is produced by a worm in the throat* or wind pipe, the weather was fine, let them out an hour or and I therefore, after the first year, paid consists them too. In about twelve days, those I kept because the produced by a worm in the throat* or wind pipe, the weather was fine, let them out an hour or and I therefore, after the first year, paid consists them too. In about twelve days, those I kept but doors, began to show symptoms of the disease, the gapes—they all had it but one, five my skill and care—I tried every thing I had began to show symptoms of the disease, the gapes—they all had it but one, five heard or read of, as recommended—nothing answered—die they would, and die they did. I tirely—thus much for those out doors. Out of the because they lets superposs the lets superposs the first year, paid consists them too. In about twelve days, those I kept out doors, began to show symptoms of the disease, the gapes—they all had it but one, five heard or read of, as recommended—nothing answered—die they would, and die they did. I tirely—thus much for those out doors. Out of the became discouraged and did they doors. Out of the ger since than last summer, when passing a few became discouraged, and determined to adopt a fourteen in doors, one died apparently of a deweeks in his native county, the Editor saw a plan of my own, and if I failed, then to give it cline, evidently not the gapes, the others were chicken expire with this disorder, and immediup entirely—what that plan was, I had till the healthy—but in order further to test the experiately examined its throat, and found there a following season to mature; summer, autumn, ment; when the sixteen were about four weeks multitude of very small red worms yet living, and winter, each brought their labours and cares old, I took indiscriminately eight of them, and sufficient of themselves, obviously, to cause dif-to a farmer—I thought occasionally of my chick-one hen from the room, and put them out doors ficulty and stoppage of respiration-whether ens, but it was merely a thought-at length, in another coop, distant from the first out door they originate in the stomach, or are picked from about the first week in March last, the boy who hen and her chickens, so that no intercourse the ground, we do not know—but we do know, I deputed to collect the eggs, brought me word, because we have assisted when a boy, in applying the remedy, that the smoke of tobacco, adhe said two others wanted to set, I put under ver only died—I did not lose one of those I kept ministered as described in vol. 1, page 231 of each, on the same day, cleven eggs—they brought in the room—they were let out when full feath-this journal, is an effectual cure for the disorder. Out between them, twenty-five chickens; the ered, and when the weather had become settled

NAME OF THE BIRD.	Period of Incuba- tion.	Duration of their Lives.
Swan,	42 days 40	about 200 yrs 100 years
Goose,	30	80 or more
Bustard, Duck,	30 30 30	not known
Peacock,		25 to 28 18 to 20
Crow,	20 19 to 20	100 or more 17 to 18
Hen,	17 to 18	12 to 15 16 tn 17
Canary,	13 to 14 13 to 14	13 to 14 18 to 20

To FATTEN POULTRY .- The coops in which have known, but being deficient in some particulars poultry are fattened, should be kept constantly Farmer. we here submit for the benefit of themselves, and clean, and furnished with gravel, but no waterwith which the food is moistened. This should ruling impulse of nature, and the special in- be put on clean boards, which ought to be with-

To CAPON COCKS.—Make an incision with a A letter from Dr. Mease, ex-president of the The proper heat for hatching a hen's egg, is sharp knife, under the lowest rib, lay hold of Philadelphia Society, addressed to R. K. Meade, 104 of Farenheit, to which degree the surface the parts to be extracted, and cuttling them away was read, and ordered to lie on the table.

which increasing in size, as the disease progress- the other two hens and fourteen chickens, I put es, produces suffocation and death. I differ from in another coop, which coop I put in a room, in this opinion, and so far from supposing that the an out building; the chickens would go in and worm at all. My reasons follow-some years those in the room, on cracked corn-they all though I had a good ice house, yet it was not at mixed together, and every two or three days, if all times convenient to kill a calf, sheep, or lamb, the weather was fine, let them out an hour or

The conclusion I have drawn from these experiments is, that the dampness of the ground, the cold winds, and rains of the spring produces the disease—that the gapes is to chickens, what the hives is to children, brought on the same way, by exposure to cold-having the same symptoms-the same difficulty of breathing-

I had last fall a further opportunity of testing

You are at liberty to publish the above, if you think it worthy an insertion in your interesting and valuable paper.

D. C. West-Chester, A. Y. March 10th, 1824.

AGRICULTURE.

AGRICULTURAL SOCIETY.

At a meeting of the Agricultural Society of the Valley, held in the Court House at Winchester, March 6, 1824, Hugh Holmes, President, Wm. M. Barton, Vice president.

The meeting being called to order, the president delivered his annual address. Whereupon, it was resolved unanimously, that the thanks of the meeting be returned to the president for the same, and that a committee of two members do ask a copy for the press, and that it be published in the Winchester papers, and the American

Upon motion of the vice-president, the follow-

Bushrod Taylor Daniel Hartman, Josiah Lockhart, Adam Kerns, Joseph Tuley, John M. Brome, Archibald Magill, Samuel Swane,

An important communication on the improvement of the breed of sheep, embracing several samples of his very superior wool, was received the price to be regulated by costs and charges. from R. K. Meade, and ordered to be recorded.

A communication from Wm. M. Barton was read, and ordered to be printed in the Winches-

ter papers. The meeting then proceeded to the election of officers for the ensuing year; when the following were declared chosen:

HUGH HOLMES, President, WM. M. BARTON, Vice president, JOHN M. BROME, Treas. vice E. M'Guire, declined.

THOMAS CRAMER, Secretary. Corresponding Committee, appointed by the President.

Alfred H. Powell, Henry St. G. Tucker, John Macky, Richard K. Mcade, Robert M'Candless,

A letter from Judge Buel, of Albany, to Wm.

A letter from Dewitt Clinton, of Albany, to the Agricultural Society of Saratoga County N. Y. was received and ordered to be recorded.

An order made at a former meeting, for publishing the proceedings of this society, in a painphlet form, is hereby ordered to be rescinded.

Upon motion of Mr. Heiskell, it was resolved

valuable present of a pamphlet containing the proceedings of that society.

The following resolution was introduced by therefore request a copy for publication. Wm. M. Barton, and passed unanimously: Resolved, That this society do appoint seven trus tees annually, whose duty it shall be, or any three of them, whenever called upon by any member, to visit his farm, and make report of the general management of the same, &c. &c.; and also to receive from the secretary all communications made to the society by any of its members, or any other person; and transmit such immediately to the editors of the American Farmer and their acceptance. Winchester papers for publication. It was resolved after some discussion, that the

president do make the appointments, and the fol- To Messrs. Powell and Heiskell. lowing gentlemen were selected: Joseph Kean, John Heiskell, David Ridgeway, Wm. M. Barton, Thos. Nelson, Joseph Hackney, William B.

Page.

Upon motion Resolved, That Sydnor Bailey, Esq. and Cuthbert Powell, Esq. of Loudon county. be appointed honorary members of this society.

The following members were appointed a committee of arrangement to form a scheme of pre-

On the back of the pamphlet, sent by Elkanah Watson, Esq. to this society, was a description of volence, and philanthropy, to encourage and foster a species of wheat, introduced into Massachusetts, improvements in agriculture, and the arts conwhich is found peculiarly fitted to resist the Hesceeding two bushels to each, who will first pay sisting in this great work, commanded to be done, growing by the side of other fields of wheat.

other useful objects, accompanied by several for the same, into the hands of the treasurers,

The society then adjourned sine die. HUGH HOLMES, President. THOMAS CRAMER, Secretary.

Note by the Secretary.

Mr. Stephen M'Cormick, of Auburn, Fauquier county, intended to present to the society the the balance. Without farther touching the model of a newly invented plough, differing in question which seems now to agitate our national some respects from the ploughs which he has councils, I will proceed to present a few ideas heretofore been in the habit of successfully ma-more immediately connected with the object of nufacturing. He did not arrive in time to be pre- this address. sent at the meeting; but a few of the members had the pleasure to see his model (which for crop to market, adds to the nett value of that neatness and beauty could not be excelled) and crop, and also to the soil which produces it. to hear him explain, with neatness and precision, Whatever may be the facilities employed, either the principles upon which it was constructed turnpike roads or canals, a reduction of one half It was quite satisfactory to them, that his plough of the present price of carriage, where such conwas formed on true principles, and they were veniences do not exist, may fairly be estimated decidedly of opinion, as far as they were capable to follow. A well cultivated field of wheat, may M. Barton, was read, and ordered to be record- of judging, that in light (or heavy) soils, clear of produce twenty bushels, which will make four Mr. John M'Alisier, at his request, was re-leased from his duties as a member of this soci-their opinions could not be changed as to the ab-cents per barrel. But the reduction of one half, Wm. M. Barton, accompanied with a very in-brace to it in resisting the shocks to which it is saving of three dollars in the carriage of the teresting paper from Eral Stinson, president of liable in our rough country. They were also produce of this acre to market, to be added to, much gratified to learn, that it is the intention of instead of being subtracted from its present Mr. M'Cormick to visit the society at their next value, thus proving the first branch of the pro-Two letters from Mr. Skinner of Baltimore, to fair, and to become a competitor for the best position. William M. Barton, were read, and ordered in plough. He also proposes to bring with him a new invention for the purpose of ascertaining the adds to the value of the cultivated acre, that sum, weight which is necessary to propel ploughs, of which three dollars is interest, viz. \$50. But called an angular balance.

> Winchester, March 10, 1824. before the society as their presiding officer. We

Respectfully your obedient servants, JOHN HEISKELL ALFRED H. POWELL.

The Hon. HUGH HOLMES.

Winchester, March 10, 1824. I yield to the wishes of the Agricultural Soci-

Respectfully your obedient servant, HUGH HOLMES.

ADDRESS.

last meeting, in competing for the premiums distributed, for the first time, by our society. If, in the infancy of our institution, such a spirit has been awakened, what may we not expect in its progress to maturity, and the exertion of its enand individually, by the ties of patriotism, benesian fly, from the hardness and solidity of its lity to the public, to use every exertion, tending by the author, which I copy verbatim. stalk, thereby opposing resistance to the peculiar to the fulfilment of these objects. Agriculture

by divine authority? Although thus fortified, we do not claim for it a superiority which will do injustice to other employments, springing, in the progress of society, out of its density of population, and natural advantages for acquiring wealth. No! We seek only an ancillary association with commerce and manufactures, preserving an equilibrium of interest, so far as government holds

Curtailing the expense of transportation of a rocks or stones, his invention is well calculated barrels of flour,—the carriage of which to marsolute and indispensable necessity of attaching a from the improvement of roads or canals, is 75coulter to the point of the share, to serve as a cents per barrel; therefore there would be a

if this seems to be an incredible result, (and it is admitted to be so, as it regards the entire tract or plantation) strike off five-sixths for the idle unanimously, that the thanks of this society be given to Elkanah Watson, president of the Berkeshire (Mass.) Agricultural Society, for his we were requested to apply to you, for a copy of the entire tract. Thus it will be seen, gentlemen, your eloquent and interesting address, delivered how the functions of the arteries and veins of the human body, contributing to its health and existence, correspond with those of roads and canals in the body politic, preserving its salutary state; and yet we have hitherto preferred to labor under a consumption of nearly one-fourth of the product of our farms, sooner than incur a present evil, for a distant good, by beginning the great work of improvement. When interest, because indirect, ceases to be the impulse to huety of the Valley, by sending you a copy of the man action, how long, my fellow citizens, will it address, which I regret is not more worthy of be, before we discover the antidote to this slumbering lethargy? Alas! I fear it will be found that "then there is no balm in Gilead-no physi-

cian there.'

Blighted in our hopes and prospects, as to our principal crops for many years, sometimes destroyed or injured materially, by the Hessian It is a subject, fellow citizens, of gratulation, to fly, and then by frost, or both, no effectual rememark the spirit of emulation, manifested at the dy has hitherto been known to us. Now I feel great pleasure in communicating to the society, some information received during the past winter, from Mr. Elkanah Watson, president of the Berkeshire Agricultural Society, in Massachnsetts, together with his pamphlet, entitled, "His miums, to be presented at the next meeting in August, viz: H. St. G. Tucker, Wm. M. Barton, Joseph Kean, A. H. Powell. pamphlet, will be seen a list of seventeen varicties of grain, just then arrived from the south of Spain, (1819); beginning with No. 1., styled "hard white wheat"; opposite which is an asnected with it, so we have incurred a responsibiliterisk referring to a manuscript note, I presume, wheat is now successfully cultivated (from the location of this insect. It was therefore resolved, was the first employment of man, coeval with his above sample) in some of the western counties that Wm. M. Barton be appointed to procure fif-creation, and by command of God, who required in the state of New York; its stem is small and ty bushels of said wheat, and to distribute the him to subdue the earth. Is it not, then, a holy so compact, as completely to resist the Hessian same among the members of this society, not ex-office in which we are engaged,—niding and as-fly, as has been abundantly proved this year—

which suffered greatly.-The grain is full- manufacturers, and neglecting the sound advice Last year we exported a still greatharge, as hard as flint—with a thin husk, and of Adam Smith—
makes the very best of flour—as white as snow.

"Whatever tends to diminish in any country makes the very best of flour-as white as snow. It resists the winter better than any other, and "the number of artificers and manufacturers, ripens fourteen days earlier." If the experiment "tends to diminish the home market, the most of growing this wheat by the side of other fields "important of all markets for the rude produce quantity, produced an increase of only one per stroyed, be not conclusive as to its resistance of "courage agriculture." the fly, (because we have seen that to happen with fields of wheat, both of the same sort,) yet range of political economy, is an eternal reproach stroke at the policy of Mr. Garnet, noticed befrom the character of the stem, it is highly pro-bable the fly would not select it as a location, Great Britain. Ours has at every stage of our may be likewise increased! What a lesson on congenial to its propagation. The account of progress, been in direct hostility with it. Where-political economy! Will our statesmen profit by this wheat, now detailed, is so imposing, and as, it is almost the only important maxim of the it? It is, alas for the country! improbable. from so respectable and disinterested a source, Wealth of Nations, which is undeviatingly carthat it is submitted to the society to decide ried into operation by great Britain. It ought to from year to year. In 1823, it was not near half whether it will lend its agency to procure a quantity of it worth distribution; or leave it to indivibe engraven in letters of gold over the chair of what it was in 1817—a little more than half what tity of it worth distribution; or leave it to indivibe speaker of the house of representatives, and it was in 1818—and two-thirds of the price of dual enterprise. If it will answer the purpose that of the president of the Senate. attributed to it, we can render no greater benefit to the agricultural interest of our country, than Our export of this article in the year by a successful experiment of its use. While we are on the subject of this destructive insect, Hessian fly, I will take the liberty of warning the public of an error generally prevalent, but by no Next year we increased the quantity means one of much consequence. An insect to 84,337 hhds. and glutted the marmuch resembling the Hessian fly, will often be found, even in winter, in, or rather a little above, every joint of the wheat straw,-in the different stages of maggot, chrysalis and parent: it occuper cent. we increased the amount only about 7 pies the hollow tube of the stalk, and (unlike the per cent. This is somewhat like realizing Dean fly) not the lamina; of course it does but little Swift's arithmetic. injury, as I perceived from a bunch of wheat, furnished me by my worthv friend, the vice-president. This insect, I was informed by a gentleman in Fairlax county, a nice and critical observer of the influence of the British markets on and no prospect of the stock on hand being conthese things, is called the joint worm, and not our staples is considered, this fact will fully ac- "sumed in it. We have upwards of 31,000 hogsthe Hessian fly. Some entomologists having count for the reduction of prices. fallen into this error, as I deem it, these remarks are thrown out for their, or my correction.

I am sorry, hrother farmers, that I have so lit-I am sorry, prother farmers, that I have so litereduction of price. Most of the simplers were making a total stock in Europe of 13,000 mogestleto lay before you, cheering to you, as tillers of severely crippled—many of them entirely ruined. "heads, being 10,000 more than one year's continued the earth. In the prospect before us, there is a The losses of the planters, in consequence of the frightful era, full of suffering lumanity, and portential suffering lumanity, and portential the shippers, were immense, "diate improvement in this article would appear tentous forebodings, which may reach us, but Some of the first families were reduced to a state "impossible." Curwen & Hagerty, Liverpool, tentous forebodings, which may reach us, but Some of the first families were reduced t which we hope God may avert. In one portion of extreme embarrassment and distress. of Europe, liberty has been prostrated by the In 1819, our export was 69,427 hhds. arm of despotism; in another she lies bleeding, —the price \$110—and the amount -shrouded in death, and bathed in blood -History will record the epoch in its blackest page, and warn posterity to avoid a repetition of the dreadful scene. We must abide the gathering storm, and if driven from the repose of our own In 1821, we exported 66,858 hhds. vine and figtree, breast it when it breaks, like men determined upon the salvation of their freedom,—heaven's best gift to man. In the mean time, by the practice of economy and industry, we may struggle through the embarrassing times, and avoid the error which led to them.

An appeal to the charity and sympathy of the society becomes necessary; and as an apology for the poverty and brevity of this address, I offer the awful affliction of a wife, occurring some six weeks since, and a continuance of her agony even to this hour.

ble consequence of the depression and ruin of the 1823.

This maxim, one of the soundest in the whole

I begin with tobacco-

1817, was 62,365 hhds., which, by treasury returns, averaged 148 dollars per hhd, and amounted to

was more than double that of the preceding year. In 1817, 14,500 hhds.—in 1818, 31,200.

In 1820, we once more glutted the foreign markets by shipping 83,940 hhds. The price fell to about \$95 -and the amount was only

which is the maximum that the consumption of Europe requires. But the glut of the preceding year operated to reduce the price to about 84, 80 —and the amount was In 1822, we again glutted the markets

by an export of 83,169 hhds. which produced a further reduction to about $74\frac{80}{100}$.* The proceeds were

* "Fine Virginia leaf, in consequence of its

6,222,838

er quantity, no less than 99,009, hhds. at about \$63,48 per hhd.

which amounted to 6,282,672 Thus an increase of about 20 per cent, in the

-and its succeeding when its neighbors was de- "of the land; and thereby still further to dis- cent. in the amount! For 16,840 hhds. we received but \$59,834!!

Here we see a regular reduction of the price

The markets of Europe are glutted with this staple, which is a complete drug every where, and likely so to continue, except the finer quali-ties, which are scarce. The statements of the \$9,230,020 Liverpool merchants hold out the most gloomy prospects for the present year, in consequence of the extraordinary surplus in all the foreign markctss completely, that the price fell to \$117, and the amount was only 9,867,429 last year, was 75,000 hhds. being 10,000 hhds. Thus while we increased the quantity above 33 above one year's consumption.*

* " Tobacco is very unsaleable, and lower than "we have ever before known it. The exports The quantity exported to Great Britain in 1818 " from the United States have so overwhelmed " every market in Europe, that there is absolute-"ly no outlet for exportation from this country, " heads in Britain and Ireland, whilst the con-Distress spread almost universally throughout "sumption does not exceed 14,000 hogsheads! Virginia in 1818-19, in consequence of the heavy "The stock on the Continent is estimated at 44,000, reduction of price. Most of the shippers were "making a total stock in Europe of 75,000 hogs-December 31, 1823.

1819, our export was 69,427 hhds.

-the price \$110-and the amount \$7,636,970 "tinues to sell firetty readily, and at high prices, "principally for shipment to Ireland; middling " qualities are also become more saleable; but for "the low descriptions, there is no demand either 7,968,600 "for exportation or for home use." _bid.

"The consumption has not been keeping hace with the growth; and unless the injury sustain-"ed by the last crop in Virginia and Maryland, "cause a diminution in the supply, the general "prospects do not seem to be favourable, more 5,648,962 "especially for the inferior qualities, which, of "all descriptions are abundant every where." Cropper, Benson & Co. Liverpool 1st. Month, 10th, 1824.

"The state of tobacco during the month has "been so very flat and uninteresting as to admit " of little comment; the sales which have been "scarcity, is as high as at this time last year," frincipally to meet the wants of the Irish mar-whilst common qualities, both of Virginia and "ket, amount to 730 hhds., and the import during "whilst common qualities, both of Virginia and "ket, amount to 730 hhds., and the import during "Kentucky, are \frac{1}{2} to \frac{1}{2} per lb. lower, and Ken"tucky leaf in fracticular is extremely difficult" the same feriod has been 939 hhds. In London "tucky leaf in fracticular is extremely difficult" the article has likewise been almost entirely of sale, as few of our manufacturers will use "of sale, as few of our manufacturers will use "of sale, as few of our manufacturers will use "of sale, as few of our manufacturers will use "off at a decline of \frac{1}{2}d. a 1d fer lb. ufnon freember, 1822.

"The importations of tobacco into the king-"dom generally last year, are about two-thirds "wious quotations." Archibald Gracie, Junr, "dom generally last year, are about two-thirds "more than that of the former year—and the "imfortations into Liverpool nearly double. The "prices quoted are in a great degree nominal; the kingdom generally about 9000 hhds. and in "the only demand experienced, (which is, how- "ever very limited,) is for frime leaf and stem- "the nat the commencement of last year." W.

In Duncan & Son, Liverpool, January 1st, Liverpool, 7th February, 1824. "Tobacco is uncommonly flat and heavy, and the "more trade." Daoiel Buchanan, Liverpool, 7th February, 1824. "Tobacco is uncommonly flat and heavy, and

"Tobacco is uncommonly flat and heavy, and

exports was the high duties to which foreign of the effects of marle, agrees entirely with mine, it would increase the demand for our staples abroad! notwithstanding the strong and palpable facts, that our imports exceed our exports—that all the markets in the world, wherever our productions are received, are almost constantly glut sing of marle, which then will operate in the much the largest proportion of the territory of ted with them—and that, in consequence of this same way, and with as much profit, as the first almost every country is devoted to the breeding glut, the prices have been regularly and most ruin-application. ously reduced. When the legislators of a great nation enter on the performance of their duties in The plants which are most abundant on acid soils, above 15 millions are devoted to that object. a state of mind so wholly unprepared for the will thrive on no other kind; and therefore, are The live stock are the most essential to the culperformance of those duties, and with views so destroyed at once, when the soil is made calcativation of our soil—they supply a large proporradically unsound, it cannot be wondered at, that reous. But your correspondent will not find this tion of our food—they furnish materials for cloa general distress overspreads the face of the clean state of marled land to be permanent a general distress overspreads the face of the clean state of marled land to be permanent — thing, and contribute to a variety of our most land—and that the true panacea for our evils, the One set of pests has been removed, only to allow useful accommodations. Objections have been building up a domestic market for the produc-tions of the earth, is as ardently opposed as it was ted by marl, than any other plant that I know of; the extent so frequently practised at such shows: during the wars of the French Revolution, when and the increase of this troublesome and inde-but any doubt on that head can only arise from the European demand for our great staples, pre-vented the natural consequences of our unwise marling, that I have yet experienced. Perhaps the course of a number of experiments for asand pernicious system from developing themselves.

"the few sales effected are at very low rates, February, 1824.

TO THE EDITOR OF THE AMERICAN FARMER.

MARL,

1T5 APPLICATION AND EFFECTS ON VARIOUS SOILS.

Prince George, March 12th, 1824. DEAR SIR,

Having been some time from home, I did not until to-day, see the call on me in the American Farmer of February 27th, and the private note from you on the same subject. I feel highly gratified, that your correspondent "Agrestis," has experience of the correctness of my opinions concerning the action and value of marl; and I which may be required on account of the impernoticed by him in Maryland.

ject, (contained in your 3d vol.) I have marled more than 250 acres, or about 400 in all—and my never obtained any results so profitable as those and Pigs, were exhibited. mentioned by Agrestis, "that old worn out "clay soils, that were literally good for nothing, "have been regenerated by marle alone, and pre-

Yet Mr. Garnet, wholly disregarding this appalling state of things, as regards the staple of his state, as well as cotton, lately contended in Congress, that the reason of the decline of our country possesses, and palling state of things, as regards the staple of mode of operation justify such expectations. In Congress, that the reason of the decline of our country possesses, and comparing their respective properties and defects. A Bakewell or a Culley, by great skill, ability, and perseverance, may do much in ameliorating of the effects of mayle drawer entirely with mine.

The cleansing effect of marl is also evident. neutral soils, which I suppose to have been originally marled by natural means.

Your's &c. EDM. RUFFIN.

[We shall give in our next, a valuable paper, on the subject of marle, which will be very acceptable to our readers generally, and especially so to our friends on the Eastern Shore of Maryland.]-Edit Am. Far.

OPINION OF SIR JOHN SINCLAIR.

The great benefactor of agriculture, on the great benefit to be expected from the promotion of Agricultural Associations.

We beg respectfully, to recommend the follow-

We beg respectfully, to recommend the following remarks, from the highest authority, to the in its earliest stage. There are few who do not am not only willing, but consider it my duty, to consideration of those members of the legislature like good fruit in its season, and good fruit is selfurnish any information in my power to give, of Maryland, who, at the last session, refused to dom out of season-yet fruit trees are seldom which may be required on account of the imper-fections of my former statement. I do not wish, tural Society, to be distributed all over the state, ed. A farmer with an orchard of 80 or 100 trees, however, to fatigue your readers, by repeating in agricultural premiums. The sum asked for is too often contented if four or five of them bear what has already been stated; and as the request of Agrestis for information, is general, I shall confine my remarks to the particular subjects the effect of an agricultural society in each count, of the effects of maril to fit the will say will do make cider.' Now the same attention and the effect of an agricultural society in each count, of the effects of maril to fit the will say will do make cider.' Now the same attention and the effect of an agricultural society in each count, of the effects of maril to fit the will say will do make cider.' Now the same attention and the effect of an agricultural society in each count, of the will say will do make cider.' Now the same attention and the effect of an agricultural society in each count, of the will say will do make cider.' Now the same attention and the effect of an agricultural society in each count, of the will say will do make cider.' Now the same attention and the effect of an agricultural society in each count, of the will say will do make cider.' Now the same attention and the effect of an agricultural society in each count, of the will say will do make cider.' Now the same attention and the effect of an agricultural society in each count, of the will say will do make cider.' Now the same attention and the effect of an agricultural society in each count. the ways of the wise, are said to be, often in- hundred of the best quality—and farmers begin Since my former communication on this sub-scrutable to vulgar eyes. - Edit. Am. Far.

longer experience has more strongly confirmed my the second shew of Fat Cattle took place at Edin-

and the maintenance of its live stock. Out of the 18 millions of acres which Scotland contains, as I find it now on many parts of my land, where some excesses, from a spirit of rivalship, may it never had been seen until within the last two take place, yet undoubtedly, much advantage years. This grass is scarcely ever seen in this must be derived from the knowledge which is "even under my quotations, when pressed on the part of the country, and there is not any where thus obtained regarding the means of fattening market." Daniel Buchanan, Liverpool, 14th enough to be troublesome, except on the best stock, in a lesser degree, at a moderate expense. stock, in a lesser degree, at a moderate expense, and calculated for general consumption."

FRUIT.

It is surprising to notice the inattention of our farmers to their orchards .- Some think it unnecessary to cultivate any fruit at all, while a large proportion suffer their lands to be occupied by trees which will neither warm by their wood nor gratify by their fruit-hundreds of stunted apple trees may be seen cumbering the ground, where a little attention would have produced a profitable orchard. The vast difference between good and bad apples, peaches and pears, is not in many cases, the result of much labour and skill; to learn, that the quality of the cider depends upon the apple. Some body has said that "plant-Under the auspices of the Highland Society, ing trees was among the duties which the pre-e second shew of Fat Cattle took place at Edin-sent generation owes the next;" if so, let our opinion of the value of this manure, as well as burgh, on the 10th December last, when a great agriculturists discharge the duty towards their the truth of the theory of its action. But I have number of excellent specimens of Cattle, Sheep, children better than our predecessors have to us; do not continue to cultivate trees which can pro-At the dinner Sir John Sinclair presided, and duce nothing but crabbed unpalatable fruit, mereon the cloth being removed, he addressed the ly, because we found such in our fields, lest our meeting as follows:

"Our Fathers have eaten sour "sent the appearance of our best and natively good lands." I still believe that the use of calcareous manures, will not be found very profitation of our live stock, and I am happy to find that, ming the senson for the senson for the stock, and I am happy to find that, ming the senson for th ble, except on lands not grazed, or which are in under the auspices of the Highland Society of precautions against a loss of sap. The astosome other way furnished with vegetable matter. Scotland, they have commenced in this metroponishing increase of the vine in this city and vici-On acid soils, (not grazed,) I expect a dressing lis with so much probability of success. Such nity, shews what may be done by a little attenof 500 hushels of marle to the acre, to increase meetings are of great use in various respects; tion, patience and care. Grapes of a very delithe first crop from 50 to 100 per cent .-- and under they are the means of circulating valuable infor- cious flavour now form a common dessert. The peculiar circumstances, have attained nearly 200 mation—they excite a spirit of improvement, and same attention in this country and a little more per cent. increase; but as all such land was very much advantage is derived from the discussions patience would produce the same beneficial repoor, even this great improvement, leaves it which they occasion, and from the opportunities sults in regard to apples, pears, and peaches,—much inferior to natural rich soils. Neither, which they afford of viewing the various descrip- Our market is every season overstocked with

hourly exhibited, to unprovoked appetites. The they were rough cast without, and white washed fact is, for want of due attention, a great propor- within; and now, after enduring the storms of tion of our fruit is

To Jeremiah's Figs-The good is very good, the bad Too bad to give the pigs."

The subject is worthy the attention of farmers and we hope they will think it is their interest to grow, (to use a most ungrammatical word) trees that will produce palatable and wholesome fruit. [Philadelthia Gaz.

SALT. A specimen of coarse salt manufactured by B. Byington, at Salina, in the western part of this state, has lately been analysed in this city by Mr. G. Chilton, Chemist, and is proved to be superior in purity to any salt ever known in this mar-Chilton:—The specimen of coarse salt left with prictions. me for examination, and which was manufactured by Mr. Byington, at Salina, in the state of New York, proves by a careful analysis to be muriate of soda nearly pure, 1000 parts by weight yielded 994 parts muriate of soda, 5 cz. sulphate of lime, and 5 muriate of maguesia, without any sensible deposite of insoluble matter. A comparative estimate of its value may be obtained from the following table of results of the analysis of the different varieties of salt by Dr. Built are small, but I am satisfied, that buildings province of Holland opened their session on the foundation laid for another, which in a tew weeks, and when finished, I hope to have it in my power to furnish additional evidence, of the superiority of this mode of building, over every other now practised in this country, both for cheapness, and the Assembly, that a plan for draining the Lake of Haarlem and the Bylmeer was under the consideration. He concluded by holding out a practised in this country, both for cheapness, and the cxpedition with which the work may be carried on, and inferior to none when well executed, in point of durability, external appearance, and internal comfort. The houses which I have built are small, but I am satisfied, that buildings to be which I have built are small, but I am satisfied, that buildings to be which I have built are small, but I am satisfied, that buildings to be which I have built are small, but I am satisfied, that buildings to be during the Assembly, that a plan for draining the Lake of Haarlem. The Governor, in his speech, information to the which the weeks, and when the weeks, and when the weeks, and when the supplies to be during the Lake of Haarlem and the Bylmeer was under the Assembly, that a plan for draining the Lake of Haarlem and the Bylmeer was under the consideration. He concluded by holding out a practised in this country, both for cheapness, and the expedition with which the work may be carried on, and inferior to none when well executed, in point of durability, external appearance, and the lysis of the different varieties of salt by Dr. Henry.

1006 parts consist	Pure Muriate
of kinds of Salt.	Soda
From bay (St. Ubes,	960
salt \ St. Martins,	959∄
COteron,	964월
(Scotch (common)	935 1
Bail'd fr'm Scotch (Sunday)	971
sea waters Lymington (commo	m) 937
(Ditto (Cat)	988
Crush'd Rock,	2834
Cheshire Fishery,	9863
salt Common,	9833
Stoved,	$982\frac{1}{2}$
Byington's,	994

It is believed that Mr. Byington's process is similar to that which, in England, has been employed many years in the manufacture of Coarse Salt by artificial heat, and which salt, in that country, is considered inferior for the packing of provisions, to the Bay salt, or common coarse salt, produced by Solar Evaporation.

PISE.

Mode of building-Its durability and economy by experiment in South Carolina.

TO THE EDITOR OF THE AMERICAN FARMER.

Dear Sir.

In a letter which I had occasion to write to you in the beginning of the year 1821, I mentioned that I was about to make an experiment upon Carfin, Mr. Stewart, pisé building, by the directions contained in a Clydesmill, Mr. Craig, pisé building, by the directions contained in a book, published by S. W. Johnson of New Brunswick-I commenced early in April of that year, building a house 14 feet square, with walls 18 inches thick, for a dairy. It happened to be an extremely wet month, and it became necessary the above orchards were sold last year; to stop the work, on account of the frequent Cambusnethan, rains, and wetness of the earth, after completing Garrion Haugh,
one course, which remained without injury, (al-Garrion, the property of Lord Belhaven, 214 0 0 are probably a few scattering papers not yet rethough not very well protected,) until the middle Carfin,

peaches; yet we have very few that are consi- of May, when the work was resumed, and the dered of a superior quality, while cart loads are house finished. As soon as the walls were dry three winters, I cannot perceive that any part of the roughcasting, which is exposed to the weather, has sustained the slightest injury. The pisc work has become as firm and solid, as the stone foundation upon which it stands, and I have not the least doubt, that the roughcasting will be as durable, as it would be on stone or brick walls. This experiment has satisfied me, that stone and brick are not necessary for the most permanent buildings, in dry situations, except for the foundations, 12 inches above the surface of the earth, or somewhat higher in those parts of the country

where there are drifting snows.

In July last, I built another house of this kind, Englishmen, 30 feet by 16, with a chimney and partition in ble lodging rooms, for my house servants. This of draught cattle. trial has succeeded as well as the first. My ordinary field hands were the only labourers embuildings. I have the foundation laid for another, built are small, but I am satisfied, that buildings of any dimensions may be made in this way. 1 have not experienced the difficulties complained of by Mr. Cocke of Va. in a letter published in Vol. 34, page 157 of the American Farmer, and place at a region of some persons who have investigated the subject, are of opinion that this event must have taken am of opinion, that nothing but delay would be place at a period considerably more recent gained, by making the pise work in blocks, and is stated in old chronicles, that an irruption of the building afterwards as with brick and mortar, in-stead of building upon the foundation, according cording to accounts published not many years ago, to the original method.

W. W. A.

Statesburgh, S. C. March 15th, 1824.

-00-

Extracts from late English hapers. CLYDESDALE ORCHARDS.

sold on the 28th ult. (September 1823,) by public to the Bylmeer, and the works are to commence roup, (auction,) at the following prices, viz.

Cambusnethan, the property of Rt. Lockhart, Esq. of Castlehill, £175 0 0 Braefoot, Coltness Estate, Garrionhaugh, do.

30 0 0 It has been ascertained, by the Postmaster Garrion, the property of Lord Belhaven. 9 0 0 General, that there are five hundred and ninety Dalserf, do. of Col. Campbell, 104 0 0 eight newspapers published in the Line Garrionhaugh, do. of Mrs. Patterson, 112 0 0 Do.

£441 5 0

On Saturday the fruit in the orehards of Dal zell, the property of General Hamilton, were sold by public roup at Manse of Dalzell, Rev. Mr. Clason 58 5 0 20 0.0 0 0 23 2 6 35 Mr. Paton's Hamilton, 33 10 0 0 0 Jarvieston, 18

The following are the rates at which four of £600 0 0

On the 8th August, last year, the early crawford were selling in the fruit market at 5s. a sleek. The few that have been sold this season have sold at 17s. a sleek. [Query, what is a "sleek?"

The Dynanometer.—One of the most singular facts respecting man, determined by means of this instrument, is the superiority in point of strength of the civilized over the savage state.-The following is a table made from actual trial:

STRENGTH, With the With the Hands, Reins. Of Van Diemen's Land, 30 6 Of New Holland, 51 8 Of Timor, 58 7 51 8 14 8 Frenchmen, 69 2 22 1 71 4 23 8

The Dynanometer is, however, of most practhe middle, making two very good and comforta-tical utility as a means of ascertaining the strength

Draining Lakes in Holland .- The States of the vestiges of habitations were still to be seen .-There is a popular story of a nobleman who resided in this part of Holland escaping from the great inundation, in consequence of observing a marine fish in one of the lakes of his estate.-He hence concluded that the sea was undermining part of the coast which served as a bulwark against it, and immdeiately removed with The fruit in the after-mentioned orchards was his family. A contract is concluded with regard

11 5 0 NEWSPAPERS IN THE UNITED STATES.

/iz. —			,
In Maine	12	Georgia	14
Newhampshire	11	Ohio	4.8
Massachusetts	35	Indiana	12
Rhode Island	9	Illinois	5
Connecticut	23	Missouri	6
Vermont	8	Kentucky •	18
New York	137	Tennessee	15
New Jersey	18	Mississippi	7
Pennsylvania	119	Alabama	10
Delaware	4	Louisiana	8
Maryland	22	Michigan	1
Virginia	35	District of Colu	mbin 0
North Carolina	10	District of Colu	mola 5
South Carolina	12	Total,	598
T21 1 1 1 1		1 1 1.1 .1	036

This number is ascertained, with the town or 38 0 0 ported to the Department.-Nat. Int.

Territory, commencing on the first day of Oc- January, 1825. tober, 1822, and ending on the 30th of September, 1823.

STATES.	STATES. Total value of Total value of			
	imports.	exports.		
Maine,	891,644	895,501		
New Hampshire,	371,770	237,705		
Massachusetts,	17,697,160	13,683,239		
Vermont,	62,242	236,140		
Rhode Island,	1,412,953	933,114		
Connecticut,	456,463	• 482,061		
New York,	29,421,349	19,038,990		
New Jersey,	5,933	26,064		
Pennsylvania,	13,696,770	9,617,192		
Delaware,	60,124	53,817		
Maryland,	4,946,179	6,030,228		
District Columbia,	275,083	801,295		
Virginia,	681,810	4,006,788		
North Carolina,	583,958	482,417		
South Carolina,	2,419,101	6,898,814		
Georgia,	670,705	4,293,636		
Louisiana,	4,283,125	7,779,072		
Alahama,	125,770	202,387		
Ohio,	161			
Michigan Territ'y,	2,159	1,010		
Florida Territory,	4,808	1,510		
Total,	77,579,267	74,699,030		

of your subscribers are deeply interested. We will compare, the Loans on the 1st January 1823, with those for last January-

Loans. On personal security On funded debt, On bank stock,	Jan. 1823. , 22597034 21 50033 18 6149031	Jan. 1824. 24324352 66 75596 38 6708304 92	. Increase.
Bills of exchange, Specie,	28796098 34 1964933 70 4424874 48		-2312155 62 - 383496 25 -1388819 53
ACCOUNT WITH Baring, Hope & Co.	DR. 262907 89 9802 60	CR. 1408953 44 467 60	4084471 40
	272710 49	1409421 04 272710 49	1682131 53

This statement exhibits the following result: 1. An increarse on business paper to 2695651 87

the amount of 2. A difference in the account of Baring and Hope & Co. to the amount

1682131 53

Additional amount bearing interest, 4377783 40 3. Notwithstanding this increase of

business, an actual increase of spe-1388819 53 cie to the amount of

This increase in loans too, during a period of general stagnation of business. It is very gratifying to see, that this valuable institution is gradually developing its resources, and we trust the time is not far distant under its present judicions management, when the stockholders will receive ample remuneration for their investments, and the risk they have run.

In the present situation of things, this stock is money that can be made, looking as well to the so much more specific shape than usual, that we

THE TWO STEERS raised and fattened by John Yellot, Jr. of Baltimore County, and which were sold by Caleb Turner & Son, on Friday and Saturday last, were of the following ages and

One six years old-wt. of Beef	1304 lbs.
Rongh Tallow	252
Hide	146
One five years old-wt. of Beef	1296
Rough Tallow	202
Hide .	130
	3331 lbs.
	[American

THE PARMER.

BALTIMORE, FRIDAY, MARCH 26, 1824.

Inspection.

that our readers have in it, a peculiar concern. If merchants are concerned, that no imposition 15-147, do. 33 1-3-137, do. 40-141, do. 15be practised by false packing, planters are yet 134, do. 50—128, do. 25—138, do. 20—139 do. more concerned, that their reputation suffers no 15. detriment, by the suggestion of fraud, which has It may be well, Messrs. Editors, to give in your paper some explanations of the statement recently furnished to Congress by the Treasury, of the situation of the Bank United States, that at one view we may see the progressive improve- munity, employed in its production, will be taint- which, you have often seen, therefore I can only ment in this valuable institution, in which many ed by the improper conduct of a few of its unsay it is done in the usual way, by packing trash of your subscribers are deeply interested. We worthy members, especially in the estimation of between the Inspector's breaks in the fine tobacforeigners; for the more distant the point of ob- cos. I have also found, in hhds. 7821 and 7822, are thus liable to be underrated, by the blemish- with you. es of a few. Hence we contend, that the planters themselves, are more interested than the taken correctly by Mr. R.'s coopers, as I have shippers, that the inspection of their staple article should be fure and rigid, and we have no be correct. hesitation in declaring our thorough conviction, that there are few, very few, who do not feel this may be of service in future operations." and act in the fullness of this impression. If, as | The thirteen hhrls mentioned in the above exa class of the community, they are less acute tract are all that were inspected at the time the and persevering than some others, in detecting letter was written.] the frauds perpetrated against them; none revolt more instinctively at the idea of committing

It is not then on light testimony, or a partial disclosure of circumstances, that we should put on," that the gentleman who furnished the exabroad rumours of fraud and collusion in packing tract, should not have stopped there, but should and inspecting. It is hardly sufficient in these ca- have given the names of all concerned; that not ses to give the numbers of the hogsheads, and the names of the warehouses-these particulars ought to be accompanied with the names of the ought to be accompanied with the names of the inspected at Smith's warehouse, as they present-inspectors and planters. It is due to them, that ed themselves at the time, and leave the public they should have an opportunity of self exculpation; it is no less due to all other planters, that they may clear their skirts of suspicion-they have a right to demand day and date, where reputation is involved, surmises should be reduced to names and facts, for

"Rumour doth double, like the voice and echo, "The numbers of the feared:"

We have often heard of false packing, and collusive inspection, demonstrated by a material va-In the present situation of things, this stock is riance between the American and the Bremen of Calvert county, (1B3820)—this was a hogshead undeniably the best permanent investment of samples, those rumonrs are now presented in a of seconds, sold with a large parcel from that security, as to the probable increase of dividend, are called upon to furnish our readers with the * Richard Mackall, inspector.

Statement of the Commerce of each State and which we hardly think can be delayed beyond particulars, but we still insist that the names of the planters and inspectors, should in all the cases be given, that justice may be done in the public estimation and feeling to all parties. The letter from Bremen, speaks of the probable change of samples.

TOBACCO TRADE.

Extract of a letter from an American gentleman of Baltimore now in Bremen, to a shipper

of tobacco in this city.

"Bremen, Jan. 25, 1824.

Having been requested by Mr. Frederick Rodewald to examine a parcel of tobacco consigned by you to him, I have found after a close examination, the following to be the result, bctween the Bremen and American samples, viz: No. 125, a difference of 40 per cent. in favour of the American sample—this hogshead is falsely hacked, as I perceived tobacco in the same, between the American breaks, worth about three or four dollars. No. 123, this hogshead is packed in the same manner, only much worse, therefore TOBACCO.

I conceive the difference to be full 66 2-3 per
Allegation of fraudulent packing, and unfaithful cent. No. 143, the American sample represents fine scrubs, worth about 14 grts. but the Bremen In relation to this subject, it may be affirmed, sample about $5\frac{1}{2}$. Nos. 132, a difference of at our readers have in it, a fieculiar concern. 20 per cent.—144, do. 40—133, do. 15—140, do.

The above state of your tobacco evidently servation, the greater will be the difficulty of dis- a considerable quantity of green tohacco as lintinguishing the black sheep, and the whole flock ing, which does not appear in the samples taken

You may depend on the samples having been

I am sorry to communicate bad news, but hope

To the Editor of the Morning Chronicle.

Sir-I perfectly agree with the writer in your paper of Thursday morning, signed "A looker being done, I take the liberty of giving the following statement of facts relative to the tohacco to judge of this matter for themselves, and let censure fix, where censure is deserved.

The extract alluded to, is from a letter from Mr. Rignal Mullekin, now in Bremen, to Mr. Dennis F. Magruder, of this place.

Eight bogsheads out of thirteen mentioned in the extract, were inspected at Smith's warehouse, and six at Calhoun's;* how eight and six should make thirteen, I am really at a loss to know.

No. 143 in the extract, made by Isaac Bowen

quality, I have no recollection.

No. 1441 made by Mr. Scott of Anne Arundel tobacco, inspected in the usual way, and in pre-sence of a number of dealers, Mr. Gust. Magru-to either Mr. G. Magruder or myself. der among them, who saw all the breaks as well as the samples, and bought by him immediately—packing of tobacco, no person can doubt, who no appearance of raise or fraudulent packing, or knows the high and estimable character of the 31 cts.—Turnips, per bushel, 50 cts.—Potatoes, mixed qualities of tobacco.

Arundel county, (DW3972)—this hogshead was known, that many of them do not pack their to-inspected in presence of Mr. Magruder—had bacco themselves, but leave it to an overseer, a some new tobacco at one end, which Mr. M. was black man, or a person hired for the purpose, and apprised of by Mr. W. before it was opened—it is not unlikely that frauds in this way have been before shipping it, Mr. M. had the hogshead opened and the new tobacco taken out, and had it with the packing, without the knowledge of the

Frederick county, and inspected in the name of above suspicion, and in whose integrity I have B. L. Roop, (BR1354)—this hogshead was inspected in May, and bought by Mr. M. late in assertion, that whoever the guilty person may October, or early in November, and re-inspected be, he is not the manin his presence, when his entire satisfaction was expressed at the good order and appearance of the

No. 128 made by Nicholas Harding, (NX3386) of Baltimore county-this hogshead was inspected when but few were present, Mr. G. W. Riggs only recollected, who made a standing offer for it, as well as another hogshead. The next morning when the dealers assembled, doubts were expressed about the good condition of it, when it to 30 cts.—Whiskey, 25 to 27—Butter, inspect.

then partner, and who saw as much of the tobac- to 11 cts.—Spermaciti, 25-Feathers, live, 30 to co as I did, and it is but fair to infer, that they conceived the inspection and samples correct, or mackarel, No. 1, to 3, \$4 50 to \$7—Shad, they would not have bought the tobacco; and furtrimmed, \$6 to 6 50—Flax seed, rough, per ther, I think I am justified in saying, that he tells bushel, 70 to 75 cts.—cleaned, cask, \$8—Flax, his agent in Bremen, at the time of shipping it, per lb. 10 to 11 cts.—Hemp, Russia, \$1.75 ton,—that he had seen all (or most) of this parcel of Country dew rot, 7 cts. per lb.—do. water rot, condition.

RODR. DORSEY,

Inspector at Smith's Walehouse.

To the Editor of the Morning Chronicle. make some remarks. The passage alluded to, is, as follows: "No. 137, made by Daniel Warfield, of Anne Arundel county (D. W. 3972)—this had, was inspected in presence of Mr. Magruder—had some new tobacco at one end, which Mr. M. was apprised of by Mr. W. before it was opened; before shipping it, Mr. M. had the hadden opened and the new tobacco taken out, and had it try, 20 to 30 cts.—Skinner, 35 to 40 cts.—When followed and unfaithful Inspection—Prices of feature to the great benefit to be expected from the promotion of Agricultural Associations—Fruit—Salt—Pise mode of building, &c.—Clydesdale Orchards—The Dynanometer—brien in James and Common country of the structure of each State, Terriory &c.—Statement of the common of the structure of the structure of the structure of the structure of fraction of the structure of fraction of fraction of the structure of the structure of the common country of the structure opened and the new tobacco taken out, and had it opened and the new tobacco taken out, and had it opened and the new tobacco taken out, and had it opened and the new tobacco, but of very different guality—attended to in person by Mr. G. Magruder." Mr. Dorsey must know, that 200 lbs. Patuxent tobacco, if not far superior, was at least toxact tobacco, if not far superior, was at least total constant tobacco, if not far superior, was at least total constant tobacco, if not far superior, was at least total constant tobacco, if not far superior, was at least total constant tobacco, if not far superior, was at least total constant tobacco, if not far superior, was at least total constant tobacco, if not far superior, was at least total constant tobacco, if not far superior, was at least total constant tobacco, if not far superior, was at least total constant tobacco, if not far superior, was at least total constant tobacco, if not far superior, was at least total constant tobacco, if not far superior, was at least total constant tobacco, if not far superior, was at least total constant tobacco, if not far superior, was at least total constant for prince every friday at 33 per annum, for John S. Skinner, 35 to 40 cts.—vv ner to the above will observed current, Advertisement, we current, Advertisement, we prince every Friday at 33 per annum, for John S. Skinner, 35 to 40 cts.—vv ner to the above will observed current, Advertisement, we prince every Friday at 33 per annum, for John S. Skinner, 35 to 40 cts.—vv ner to the above will observed current, Advertisement, we cu

county, and inspected in the usual way-of its which it was packed; and, he must also be aware, \$1-Mangel Wurtzel, do. do. \$1.50-Ruta Baga. that he altered the sample so as to represent and correspond with the tobacco in the hhd. These county, (WS3993)-this was a hogshead of new facts Mr. Dorsey ought to have stated, and then no inference could have been drawn prejudicial

author of the letter from Bremen, from which an do. 50 cts. No. 138, 139 and 140 made by Nicholas Gor-extract has been published; and, indeed, recent such of Baltimore county, (NG3909, 10 and 11) instances of detraction, one in particular, only a extract has been published; and, indeed, recent -these three hogsheads were inspected in pre-few days ago by Mr. Dorsey himself, proves, that these three nogsneads were inspected in pro-sence of M. G. Magruder and others, and bought similar impositions still are practised. It would rick County, immediately adjoining the town of by him immediately—no appearance of fraud. not, however, be proper to impute the guilt in No. 137 made by Daniel Warfield of Anne every instance to the planter, because it is well filled up with upwards of two hundred pounds of planter. In one instance, I am satisfied, this good Patuxent tobacco, but of very different quality—attended to in person by Mr. G. Magruder.

No. 141 D made by Michael Bartholomew, of I have long been acquainted, whose character is

D. F. MAGRUDER.

0 BALTIMORE MARKET.

PRICES CURRENT-CORRECTED WEEKLY

Wharf flour, \$5 50 to \$5 621-Howard-st. do. \$5 was re-inspected in presence of many, and broke ed, 10 to 15 cts.—Coal, Liverpool, bushel 40 to in five other separate places and well examined 45 cts.—Virginia, 28 cts.—Susqueliannah, per ton when it was sold to Mr. Riggs and re-sold to Mr. S6 50 to S7-Rice, per cwt. \$3 75 to \$4-Beef, Gust. Magruder, Mr. Magruder having himself offered the grower more, than was paid for it.

No. 143, 144 and 167, are represented in the letter as "infamously false packed."

Out of these sign and hams, 10 to 11 cts.—Cotton, W. I. Island, 18 to 20 cts.—Louisiana, &c. 16 to 17 cts. Out of these eight hogsheads, seven were in-spected in presence of Mr. Magruder, or his 13 cts.—Candles, mould, 12 to 13 cts.—Dipt, 10 tobacco inspected, and that he considered the 9 cts.—Hops, fresh, 35 cts. per lb.—Hides, dry-samples fairly taken, and the tobacco in good ed, 15 to 19 cts. per lb.—Hog's lard, 12 cts. per lb .- Lime, per bushel, 30 to 33 cts-Leather, soal, best, 24 to 27 cts. per lb.—do. Eastern tan, 18 to 20 cts.—Lumber ooard measurement, cargo prices:-Of the following articles we give the yard prices.—Oak timber and scant. \$1 to 1 25—Boards all sizes, \$1 50 to 2 Sir—There is a passage in Mr. Dorsey's com—Pine scantling, do. \$1 to 1 25—Boards 4-4, munication, on which, I think it necessary to \$1 to 1 25—White do. 5-4, \$1 75 to 2 50—do. make some remarks. The passage alluded to, co. 4-4, \$1 15 to 1 30—do. cl. 4-4, \$1 80—Shin—

do. do. S1.

Retail prices of provision market—Beef, prime pieces, 10 cts.-Veal, 10 cts.-Mutton, 5 to 7 cts.-Turkeys, 75 cts. to \$1—Geese, 50 to 56 cts.

—Ducks, Canvasbacke, \$1 25 to 2—Red heads, That great imposition has been practised in the 50 to .75 cts.—Chickens per pair, 50 to 623 cts.

For Sale.

Westminster, belonging to the estate of the late William Winchester, deceased, containing 330 acres of good arable land, the whole enclosed by a substantial chesnut rail fence; between 50 and 60 acres are in thriving young timber, which has been preserved with great care for the last fifteen years, and is now capable of furnishing an ample supply of wood for the farm; about forty of natural meadow are now in grass, the residue is divided into convenient fields. The buildings consist of a comfortable dwelling house, barn, stables, dairy, &c.

The adjoining farm being part of the same tract of land, containing 100 acres of prime land, is also offered for sale-20 acres are in fine timber, the remainder is divided into fields of suitable size by good fences; the whole in a high state of improvement .- The buildings consist of a convenient two story brick house and kitchen. barn, stables, and other out houses, all recently erected, and in excellent repair. These two farms, to a purchaser of both, would form a most its uniform healthfulness-the distance is twentyeight miles from Baltimore, the road turupiked

affords a quick and easy communication. One other tract of land, containing ninety acres entirely in wood, lying one mile from Westmin-ster, on the Union Town turnpike road, is also offered for sale-there are on it several springs, and a good proportion of natural meadow.

the entire distance; and the Chambersburg mail

stage passing through Westminster three times a week, (where the passengers arrive to breakfast)

The above property or any part thereof, will be sold free of any incumbrance whatever, either for cash or on a credit at reasonable prices-pos-

sessions can be immediately given. Persons wishing to view the premises, will apply to the manager on the farm, and for further particulars, to the subscriber in Baltimore

D. WINCHESTER.

March 16, 1824.

CONTENTS OF THIS NUMBER.

Description of the Mouldebeart, an implement of Flemish Hosbandry—Experiments in rearing Poultry—Proceedings of the Agricultural Society of the Valley—Extract from an unpublished Pamphlet entitled "A Warning Voice Marle, its application and effects on various soils—Opinion of Sir John Sinclair, the great benefactor of agriculture, on the great benefit to be expected from the promotion of Ag-

AGRICULTURE.

MARL.

ITS PROPERTIES AND USES ON VARIOUS SOILS

The Maryland Academy of Science and Literature, an institution devoted to the promotion of the useful sciences and polite letters, have re ceived with much satisfaction through one of its members, Mr. Skinner, the Editor of the American Farmer, several interesting specimens of the natural productions of our country-many of which are applicable to agriculture and commerce. The Academy invite the attention of their fellow citizens to the objects upon which their labours are employed—they will cheerfully investigate all objects in natural history which may be sent from the diversified soil and climate of the United States, and explain their history and uses. Among the objects already presented to their notice, is a box containing specimens of shells in a state of decomposition, which has been applied extensively and with great benefit to fertilizing the soil, under the name of marl, by Messrs. R. A. Goldsborough and S. T. Kennard, farmers distinguished for their elegant and useful acquirements and publick spirit. The Academy, acquirements and publick spirit. The Academy, through one of their committees, has investigated these specimens, and place the following report in Serres, the patriarch of French agriculture, the possession of the Editor of the Farmer, as the result of their inquiries on the subject:

The committee appointed to examine the speeimens of supposed marl, remitted to the Academy by Mr. Skinner, from Messrs. Goldsborough & Kennard, beg leave to report in a more formal manner, what they expressed as their opinion at the former meeting, viz .- That the specimens are not to be considered as specimens of marl, but merely fragments of shells, more or less disintegrated; and one parcel in division, No 4., owes its colour to the oxyd of iron-nor can they discover in either of the eight specimens any thing to warrant the belief that such as they are, they can be considered as indicating beds of marl from which they have been drawn.

Your committee, anxious, however, to throw as much light upon the subject as their knowledge will permit, and acting, they believe, in the true spirit, in which the society was instituted, beg leave to make the following additional remarks upon the fertilizing effects ascribed to the sub stances by the donors, namely that their fertiliz ing qualities, admitting them to be as stated, are conceived to depend, 1st, either upon the nature of the soil to which they are applied, or 2d, upon the properties which such substances possess of attracting moisture from the atmosphere, thereby disposing the earth to the usual operation of nature in vegetation, or 3dly, by their decomposition furnishing the carbonic acid gas.

There is a species of vegetable mould, the fertility of which is greatly interfered with in consequence of its containing acids, which opposes the solution of the extractive, &c. which they contain-they are ordinarily called sour soils. By the application of lime or marl, to such soils the acid principle is neutralized, and the extractive. and other vegetable principles are thereby rendered much more soluble. Carbonic acid is also given out during the gradual decomposition of these amenders, (shell, lime, or marl,) which, according to Mr. Henry of Manchester, Sennebier, and others, is an essential pabulum of plants.

Dr. Thomas Thomson, 4th book, chap. 3, treating of the effects of lime, remarks, "Upon the whole then it appears that plants are fed chiefly by that portion of vegetable matter, which becomes soluble in water, and assumes the properticsof extractive; that the quantity of it in soils must careous stones, even of very remote formation, as place before it is spread. Marl should always be neither be too great, nor too small: that the in-

sumes this state, either by the action of the at-stances act as manures, or fatteners of the soil. mosphere, or of earths or salts, that the presence the acid, and partly by accelerating decomposi tions of vegetable mould."

notwithstanding, to avoid confounding them with those of marl, in all their extent, as it would ject fulfilled. Marls of loose texture and favour-lead inevitably to disappointment at least, and ably circumstanced, will frequently manifest their

in many cases to serious results.

The committee, under the direction of the Academy, have translated from the Dictionaire their component parts, and of consequence vary de Historie Naturelle, the following interesting to an infinite extent in their effects; and as the article on marls, the production of M. Bosc, as it presents at once a condensed view of the chemical and fertilizing properties of these interesting materials.

The application of marl to the fertilization of soils, appears to have been practiced at a very remote antiquity-the Greek and Roman histowhich the most advantageous results were obtained. Bernard de Pailissy, has published a distinct work upon the subject, and Olivier de speaks in exalted terms of its effects, and recommends its employment. The agriculturists of the last century combined for the purpose of ex tending its use in France, Great Britain and Germany, but much is still to be done to render its application as advantageous as is desired. This is referable to the great expense of hauling, and in some cantons or districts, to the slowness of its action, so slow indeed is its action, manifested in some soils, that the individual who marks the land seldom reaps the profit of his labour; but it is the holder of the lease who succeeds him, who that the proprietors shall marl the soil.

It is not only upon lands destined for small grain, upon which marl may be usefully spread, but its effects are the same, or even more advantageous upon meadows, pasture grounds, and gardens.

Marls are almost every where found, because clays for the most part contain lime, and sand; and on the other hand, lime is generally combined with clay and sand, but we can only employ with economy such of the two sorts, as are susceptible of disintegration on expo ure to the air, and moreover such as are not too deep below the surface, or so remote, that the expense of digging and haulmg, would be too great; for in well conducted agriculture the expense should always be proportion-sides. ate to the probable receipt.

they are completely unfertile of themselves, and mains, that they augment the crop or increase the product of the soil. In many places, and particularly those districts, the soil of which rests ted to this very simple method of analysis, and upon a calcareous bed, of a ternary formation, by their results, the nature of the mark to be emface of the soil, the plough turns it up and mixes used, ascertained. it with the vegetable remains. In such soils we should avoid as much as possible, ploughing too marks are so much used, that men are constantly deep, because it has been uniformly remarked, employed in working it, and it is to be found on that in proportion as we introduce more in excess sale throughout the year. In most of the diswith the vegetable matter, so in the same ratio tricts however, the farmers dig it on their own will the fertility of the soil be diminished—this account. Autumn or winter is preferred for this we will explain presently.

There are also marls, which, like certain cal-

soluble part of vegetable mould gradually as-lanimal remains, and which under such circum-

Carbonic acid, and probably other gases of the of an acid, by counteracting this change, injures atmosphere, combine with the marl during its the nourishing quality of vegetable mould, and disintegration, but it must be admitted, that in that time is serviceable, partly by neutralising this respect all is conjecture, as we have no positive data from which we can draw conclusions. The result however, of the action, although in-The qualities then of the specimens before us, explicable, is evident, and the longer marl is exare real and all important, but it is necessary, posed to the air, or the action of the gases which are suspended in it, the better is its fertilizing obpowers in a few months.

Marls vary without end in the proportion of soils also vary, it is almost impossible to give any very positive rules for their employment. In the present state of our knowledge, however, the best rules for their application appears to be as follows-1st, we should select those which are the most susceptible of disintegration, by the action of the air, &c .- and 2d, those whose composition is the rians speak of it as a very general practice, from most opposite to the nature of the soil we wish to improve. Thus marls which contain sand, clay and lime, in equal proportions, are those which disintegrate the readiest. Thus we prefer those marls in which lime and send predomina e, when the character of the soil is clayev: and on the contrary, we select clayey marl, when we wish to impart energy to a soil in which lime or sand is in excess. Local experience can alone, in this respect, govern the prudent farmer. But there are theoretical means by which he may be greatly assisted; for example, let the principles we have laid down be admitted, we can readily analyze the soil and the marl, and the result assures us, of the proportions in which either the one, or the other, constituent part obtains.

To this end take any given weight, say two derives the advantage. Hence it is that in some ounces, dry it in an oven, and reduce it to powdistricts, the tillers of land require by their lease, der; the powder is then to be put noise districts. glass vessel, and a quantity of acetous acid, (vinegar) or nitric acid, (aquafortis) poured upon it, either of these acids will combine with the lime -the mixture must be set aside until settled. The liquor is next to be poured off, the earth left in the glass must be again dried, and we can then a c rtain by the cale the loss it has sustained, which loss gives the quantity of lime which it contained. The quantity of lime being fixed, the residue of the powder is again put into a glass and submitted to three or four times its weight of clear water, and agitated or well stirred, for some time. The clay will mix with the water, which is to be poured off before it sub-This operation is to be repeated until the water comes off clear. In the bottom of the Coeval with the earliest introduction of marl glass we have the san , which eing drie and up to the present day, experience has proven that weighed, will give the quantity in which it obtains, and by adding its weight to that of the that it is only after they have been exposed to the lime, and deducting from the original amount, we air, and have become mixed with the vegetable re- can readily estimate the proportions in which 1ch of the agents exist.

Both the marl, and the soil, should be submitwhere marl is found a few inches below the sur-ployed, and the proportion in which it should be

> In some of the cantons or districts of France, operation, whether they wish immediately to employ it, or wait until disintegration has taken

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and freezing.

It is, perhaps, preferable to spread marl imme thrown out from the marl pits, and permitted to clay. remain in heaps, the access of the air, &c. is subsequently undergo disintegration with great of iron, and magnesia which they contain. difficulty, and very frequently will not disintegrate at all.

agriculturist, in not permitting the marl to remain in small heaps upon the land, upon which to remain for three or four years before it is apit has been hauled. It should be immediately plied to the soil. At this period almost all the spread. In the spring of the year, those masses humas contained in the compost i which have escaped disintegration, should be its fertilizing influence is prompt. broken down, and their fragments dispersed, the marl should be then ploughed in, or the land lay

ed down in barley or oats.

There are some marls which by boiling readily dissolve, or rather, mix with the water; such however, are not considered the best, as they excess, they can only act mechanically

Since the writing of Bernard de Pailissy, who sought to explain the rationale of their action, flavor. to the present day, there has existed much discrepancy in the opinions which have been offer-

ed by scientific men.

made to establish two series of effects in the ac-peated application of manure to such lands that tion of marls, viz: effects purely physical, and ef-they are rendered productive. fects which result from a play of chemical affinity; and that marls should rather be classed among 1st. their whiteness reflects the rays of the sun. the amenders of the soil, than among the ma- and consequently the soil is cold; hence vegetanures, as many agriculturists have done.

posed to act physically, in rendering the soil ders their surface hard or crusted, which interto which it is applied, more compact, thereby feres with the developement of the crops by comenabling it to retain the moisture, and the several pressing the tendrils of the roots. They also op gases, arising from the decomposition of organic pose the introduction of water, as well as the ac

is adapted.

On the other hand, calcareous marls act physically upon clayey soils, or those which are too compact, thus rendering them more permeable to moisture and to the roots of plants.

Both of them again act chemically upon soils, for which they have an affinity, in rendering soluble by means of the calcareous matter which they contain, a greater quantity of the humus, or vegetable mould, which is found in it, and by this means furnishing a more abundant aliment to the plants cultivated in it.

To comprehend this last effect, it is necessary to refer to the experiments of Theodore de Saussure, and Braconnot, experiments which establish, 1st. that the alkalis dissolve the humus totally, and that lime and chalk dissolve a part, and 2d. that plants vegetate with a vigor proportionate to the quantity of the humus which they find in solution with the soil.

These last results, countenanced likewise by a great number of facts, which remain unexplained to the present day, facts which illustrate why marls when too abundantly applied, frequentwhy marks when too abundantly applied, frequent location, quantity and products of the soil, ly render soils unfertile for a certain number of the number and kinds of domestic animals years, and why the chalk lands of Champagne are reared, the force employed in its cultivation, destined to an eternal sterility also that we should rather marl lands frequently, &c than apply it at once in too great quantities, using then more sparingly in poor soils than in rich ones, and that it is always advantageous to dung ING throughout the months of May, Junc,

hands are less employed with other concerns of poor lands well before marl is employed; and July, and August, (without the use of grain) the farm, and disintegration goes on much more lastly, that the employment of lime which also with an accurate description of the kind of rapidly at this period, from the constant humidity acts chemically, and of which not one hundredth food used, the number and kind of stock fed, part is necessary, should always be preferred, the quantity of land so approprieted, together because it acts with greater energy, and its ef-with an estimate of the quantity of manure diately after it is dug, because by strewing it over fects can be more readily calculated; above all, raised by the system, the ground, the air acts more readily upon it, in those soils which are neither too stiff nor too from the greater surface that is exposed. When light, and which do not require either sand or

Marls which are much charged with iron, or prevented, and observation has proven that marls with magnesia, should be rejected as unfertile in which have not been at first exposed to the air, their properties, which is referable to the oxyd than 50 bushels per acre,

A method of employing marl, but little practised, but of which experience speaks very favor-The same motive should also influence the ably, is to stratify the marl with vegetable matter and manure: this mixture should be permitted humus contained in the compost is dissolved, and 25 bushels per acre,

It must not however be dissembled, that although marls give fertility to the soil, they sometimes inure very materially the vegetable product. It has been observed that cattle will not eat the grass of meadows which have been dressed the preceding winter with marl, and Arthur Young contain but little lime or clay; the sand being in his work on agriculture, informs us that potatoes which have been cultivated in lands improved by marl, imbibe from the soil a very unpleasant

From what has been said relative to superficial marling, the conclusion may be drawn that lands naturally marly, are less fertile; such lands are In the "Nouveau cours d'agriculture," in 3 called white lands (terres blanche) marly volumes, published by Deterville, an attempt is lands, (terres marnuescs.) It is only by the re-They present three very serious objections to their cultivation, tion in such lands is retarded. 2d, Moisture or According to this view, clayey marl is sup- rain, with the subsequent action of the sun, renmaterials, hence it is to calcareous, or sandy tion of gases. 3d. Such lands are very powerful-soils, which are too light, that the clayey marl ly acted upon by the cold of winter; the frost opens the integrant molcules of their surface and exposes the germs, which causes them to perishwood, artificial meadows or vegetables of summer or fall cultivation, are best adapted to such

FOR THE AMERICAN FARMER.

CATTLE SHOW.

THE MARYLAND AGRICULTURAL SOCIETY for the WESTERN SHORE will hold their next CATFLE Show, at the Maryland Tavern, on the Frederick Turnfike Road, four miles from the City of Baltimore, on Monday, Tuesday, and Wednesday, the 25th, 26th and 27th days of October next-for the exhibition of PLOUGHING MAT-CHES, and for the exhibition and sale of Do-MESTIC ANIMALS, HOUSEHOLD MANUFAC-TURES, &c. When the following premiums will be awarded agreeably to the act of incorporation passed at the last session of the General Assembly.

For the best cultivated Farm of not less than 100 acres, reference being had to the They teach us the quantity of manure collected and used,

> For the 2d best do. particulars as above For the most successful experiment in Soil-

For the best 20 acres of wheat, of one or more entire fields (to be not less than 25 bush. per acre,) Do. do. Indian corn, yield not less

do. Rye, Do. than 35 bushels do. Hay of Timothy, clover, rye, Do. or orchard grass, or any of the above mixed, to be weighed when well cured, not less than

50 cwt. per agre, Do. do. 10 acres of wheat not less than

For the best 10 acres of Indian corn, not less than 10 bbls. per acre,

For the best 10 acres of rye, not less than 35 bush. per acre,

For the best 10 acres of hay, as above, Best crop of tobacco not less than 5 hhds. Best crop of corn and pumpkins, corn crop to be not less than 8 bbls. per acre,

Best crop of 5 acres corn and potatoes, corn crop as above,

Best crop of 1 acre parsnips, not less than 300 bushels per acre,

Best crop of 1 acre carrots, not less than 200 bushels per acre,

Best crop of 1 acre mangel wurtzel, not less than 1000 bushels per acre,

Best crop of I acre mangel wurtzel, carrots or parsnips, with onions interspersed, Best crop of 5 acres ruta baga, to be not

less than 300 bushels per acre, Best crop of 1 acre of millet, broom corn, or

any other species of maize, reference being had to the weight of fodder and quantity of grain,

In every instance satisfactory evidence as to the cultivation and the product must be exhibited, together with the samples of the crops; also a statement of the time when the crop was sown or planted, and the quantity sowed to the acre.

HORSES. For the best stallion over 3 years of age adapted to the saddle, Do. 2d best do. 10 quick draft Do. best do. do. 15 Do. 2d best do. do. do. 10 Do. best slow draft do. do. 15 Do. 2d best do. do. do. 10 Do. best brood mare do. saddle 10 Do. 2d best do. do. do. Do. best do. quick draft 10 do. Do. 2d do. do. do. do. Do. best do. do. slow draft 10 Do. 2d best do. do. 8 ASSES AND MULES. For the best jack over 3 years, 10 Do. do. jenny do. 10

Do. do. pair well broke mu	iles,		15
CATTLE.			
For the best bull over 2 years,	of c	ountry or	
mixed breed,			15
Do. 2d best do.	do.	do.	10
Do. best do. short horn breed	do.	do.	15
Do. do. do. Devon	do.	do.	15
Do. do. do. Alderney	do.	do.	15
Do. do. do. Bakewell	da.	do.	15
Do. do. do. of any breed between	en 1	& 2 years,	10
Do. 2d do. do. do.		do.	8
Do. do. milch cow over 3 ye	ears	of age-	
a wife a star of how william and	A:4	- C b	

certificates of her milking, quantity of butter

produced, and keep for 30 days, Do. 2d do. as above, 15 10

For the best heifer over one and under 3 years of any breed, 10 Do. do. do. under 1 year of any breed, For the best pair of well broke oxen, reference being had to their performance in the

A description of the manner of feeding and not less than one week old, keeping in every instance, to accompany the description, and pedigree of each as far as practica-

SWINE. \$10 For the best boar over 1 year of age, under I do. 5 Do. do. pig ing sow over 1 year-off-Do. do. bre spring to be shown, 10 Do. do. sow pig under I year. 5 SHEEP. 10 For the best Merino ram over 1 year, Do. do. of any other breed, 10 pair of Merino ewes. Do. do. 10 Do. do. do. of any other breed,

to be of a single year's growth.

of fifty cents for each pound. FAT STOCK.

For the fattest and heaviest bullock, certicate of live weight to be produced, and the weights when slaughtered of hind quarters, (no ribs attached thereto) fore quarters, head, pluck, and offal, to be exhibited on the first day alive, and afterwards slaughtered and sold in the Baltimore market,

For the fattest and heaviest hog, live weight,

&c. as above,

For the best lot of fat wethers not less than

six in number,

DOMESTIC FAMILY MANUFACTURES. For the best piece of broad cloth, 7-4 not less than 12 yards of any colour,

Do. do. Cassimere, not less than 25 yds do. 10

Do. do. Cassinett, Do. do. Flannel, Do. do. Carpeting,

Do. do. Kersey, adapted to labourers use 30 yards of any culour,

Do. do. Linen Sheeting, not less than 25 yds.

of any colour,
Do. do. do. Shirting, Do. do. Linen Diaper for table cloths, 8-4 15 yards,

Do. do. do. towelling 7-8 15 yards Do. do. Hearth Rug,

Do. do. pr. of knit woollen hose of full size do. cotton do. thread Do. do. do. do. do. do, Do. do. do. do.

Do. do. grass or straw hat, Leghorn imita-

IMPLEMENTS OF HUSBANDRY. For the best agricultural machine or implement that may be considered new, and as deserving of the notice of the society, and worthy of patronage,

For the best flax and hemp breaker, which may be deemed useful and worthy of premium,

FERMENTED LIQUORS. For the sample of the best barrel of cider, of the make of any preceding year, of the pure juice of the apple,
PLOUGHING MATCH.

For the best ploughing by 3 horses, Do. 2d do. do. 3 do. best do. do. Do. Do. 2d do. do. 2 do. Do. best do. 2 or more oxen,

do. do. 2 do. Do. do. Do. do. do. oxen. BUTTER.

For the best butter, the sample exhibited to be of a churning of not less than 5 lbs. and

Do 2d best do. particulars as above,

Do. 3d best do,

For the best potted butter, not less than 3 months old nor less than 12 lbs.

For the 2d best do particulars as above, 3d do. do. do. Do.

By order of the Board of Trustees,

CHARLES RIDGELY of H. Chairman.

Unofficial Notes on the above. By the Editor.

The first thing that strikes us is the increased 10 amount of premiums, being nearly double that of speed and sports of the turf. Certificates of the weight of the flerces and a which has been awarded at any previous show .sample to be exhibited, with the sheep; the fleece This sum has been raised under the Resolution making it the duty of the Trustees to procure For the best fleece of one year's growth, wool subscribers at \$5 per annum for five years, and when washed to be not less than 8 lbs. a premium almost the whole has been subscribed in the city of Baltimore, and in its immediate vicinity, in Baltimore and Anne Arundel counties .- Some of the Trustees who had not found leisure to procure ten names, the minimum of what was ex-\$10 ercise it: Why, after all, should rich men deal cultivation; but am fond of the practice of agri-out their money as they would part with their culture, both from inclination and principle— 5 blood ?-in a short time they must "shuffle off believing it to be the basis of our national wealth their mortal coil," they must yield up their strong and greatness, conducive to good morals, and to 10 boxes, with their avarice and all other sordid good health. The premiums for the above to be awarded to passions; the grave, which "proclaims the sathose who may have produced the greatest weight cred dogma of equality," will confound them with one acre and one-third in each—lying within the with the least cost.

the dust of the meanest beggar, and the best town plat of Marietta. Although my agricultuevidence they can offer of gratitude to Provi-ral experiments are on a very small scale, they \$15 ment and benevelence for the good of society.

> do. do. 8 mend our institution to the people of the whole series of years, without the loss of a single crop do. do. 10 state, and the hatronage of their Representatives. of grass, although the land should undergo the 30 do. do. 10—It will be seen that half the amount offered, is for objects that farmers and farmer's wives, in as often as may be necessary to keep the soil in 5 any county in the state, may compete for on equal a proper state, for the growth and nourishment terms. The committee will hereafter specify the of the roots of the grass; a subject of no small 10 kind of proof that will be requisite to accompany importance to those who have small farms, and do. do. 10 every claim for premiums; it will be made as lit- cannot conveniently afford to lose their crop of 8 caution which is necessary to prevent the misap- is to plant with corn one year, and the succeedplication of our funds.

and a higher amount has been assigned to crops of those small lots.—It had been in my possession than heretofore-this will have the effect of de- for twelve years, and was laid down into meadow be made to yield, with the cost of production; from its long cultivation as grass land, became 10 and the farmer may afterwards regulate his la- what the farmers call "bound out," and yielded

10 horse, and the difference is judiciously bestowed of the year, but not of such depth, as to prevent 8 of more universal consumption and value.

These premiums are in fact offered chiefly to the On this light earth, the seed of "herds grass," by ladies, and it is hoped that the competitors from or "timothy," was sown, and lightly covered 10 it in contemplation to set apart a time and a place tember. 8 for their exhibition of household industry and

To each successful plou'man with 3 horses \$3, 6 ment of their exhibition -- being well aware that in all society, their influence indicates the progress of refinement, and they are naturally desirous of enlisting that powerful influence in behalf of their institution.

As to the time designated, the trustees had regard to several considerations-1st, to the time fixed for their exhibition by the "PENNSYLVANIA AGRI-CULTURAL SOCIETY," with whom it is our wish to cherish the best understanding .- That Exhibition 10 is announced for Thursday and Friday the 14th 8 and 15th of October.—It is thought probable that the Eastern Shore Exhibition will be held by our friends at Easton, the Thursday and Fri day following, and on the succeeding Sunday the steam boat Maryland will afford an opportunity to gentlemen disposed to visit our exhibition on Monday, Tuesday, and Wednesday; and the Maryland Association for the improvement of the breed of Horses, may then wind up the week with trials

OHIO,

INTERESTING FACTS, IN CONNEXION WITH ITS CLIMATE, SOIL AND PRODUCTIONS.

Marietta, Ohio, 6th March, 1824.

Should the following observations be thought of pected from each, very handsomely offered to sufficient value to be placed amongst the many make up the deficiency—such liberality is of real useful articles in the "American Farmer," you benefit to society, and is creditable, as well to the are at liberty so to dispose of them. I am not a judgment, as to the patriotism of those who ex-regular farmer, having only four acres under

My four acres are divided into three lots, of dence for its bounties, is to use them with judg-are nevertheless as conclusive, as if made on an ment and benevelence for the good of society. hundred acres. My object is to demonstrate that The next reflection is one that ought to recom- meadow land, may be cultivated as such, for a tle troublesome as possible, consistently with that hay, even for one year; although the usual mode ing year to sow hay seed, amongst a crop of small It will be seen that a more conspicuous station, grain. The scene of my operations was on one monstrating what Maryland soil and climate can three years before it came into my hands; but bour and expenditures, and select his objects, but light crops, compared with the growth of according to the profit which may be expected former years. The soil had never been broken On this occasion, a smaller amount in propor- by the plough; the land was low, and had for tion is offered for that more expensive animal the ages been covered with water the greater part upon neat cattle, which are more economical and the growth of trees, and certain kinds of aquatic shrubs. By draining and cleaning, a fine light In regard to Family Domestic Manufactures, mould, made from decayed vegetable matter, the Editor has always felt a particular interest. - was exposed to the influence of the air and sun. both shores will be numerous -The trustees have with a harrow of brush, in the month of Sep-

The seed vegetated well, and for a number of skill, under such circumstances and regulations years afforded a crop of at least three tons to the sax will make it convenient and agreeable for acre of excellent hay, free from weeds or other 10 the ladies to attend and examine this departforeign matter. The crops had become so light

visable to plough it. Accordingly, the 14th and 15th of June, 1822, the grass was mowed, cured and put into the barn. The crop this year, was viz. about a ton and a half to the acre. On the 16th and 17th, it was deeply ploughed, and the furrows made to turn over neat v, so as to leave but little space between them; and in the corners of the lot, where the plough could not work, the spade was used, and the grassy part of the sods turned carefully under. On the 18th and 19th of June, the ground was planted with Indian corn.-The kind used, was the "eight rowed," white and the third lot is in meadow, with one half cor, such as is common in New England, it be- acre of the same in an apple orchard. It produing rather late in the season for our Ohio corn, ces as much grass at present, as if not planted although we have fully two months in the spring, with trees, they being at the distance of thirty in which we can plant, and be certain of a crop; feet, and only ten years old. They have for but the best are usually obtained, by planting the several years produced a sufficiency of truit for first week in May. The corners of the lot were my tamily, and last year 20 barrels of excellent planted with potatoes. The season was unusuplanted with potatoes are planted with potatoes and planted with potatoes are planted with potatoes.

May 1 be permitted to enquire, whether you friable soil was so much like dry ashes, that the this lot had been cultivated in corn, beans, &c. corn did not germinate at all; but where there for several years and highly manured. The latwas sufficient moisture, it appeared above ground (ter part of March, 1823, it was ploughed and in three or four days. The vacant places, after sown with oats and clover seed. The first of the first shower, were planted with beans and July, the oats had attained the height of five feet, pumpkins; it being necessary that the ground and were so close and heavy, as to threaten the should all be sheltered from the heat of the sun, destruction of the clover; they were cut while as I proposed to sow it with grass seed in Septin the milk, and afforded about half a ton of fod-tember following. The corn, when sufficiently high, was once harrowed, and afterwards dressed over with the hoe, and made as level as possible, for the reception of the grass seed. About the tenth of September, the seed was sown at the afforded at least a ton of hay, and I am in hopes will be the corn of the cover; they were the winter that the sum, destruction of the clover; they were the winter that the sum, destruction of the clover; they were the winter that they were the winter that the sum, destruction of the clover; they were the winter that the sum, destruction of the clover; they were the winter that the sum, destruction of the clover; they were the winter that the sum, destruction of the clover; they were the winter that they were the winter that the sum, destruction of the clover; they were the winter that they were the winter that they were the winter that they are they were the winter that they are they were the winter that they are t rate of eight quarts to the acre, and lightly co- will not injure the next crop. vered, by raking the ground carefully over, by hand, with an iron tnoth rake This operation was performed by one man, in a day and a half-our farmers to raise eighty bushels on an acre chinel tree, and that the Grand rate of the growth of Indian corn. It is common for the was a certain antidote to the milk of the man-our farmers to raise eighty bushels on an acre chinel tree, and that the Caraib Indians, who invasional their arrows with this deleterious About the twentieth of October, the corn was sufficiently ripe for cutting up by the ground, in the manner frequently practised, so as to make that in a twenty acre field, on the farm of Major W. Putnam, in Belpie. The last season, and instantaneous in its effects, to arrest is directly progress. Whether the stalk. It was removed into an adjoining pasture on a sled, and stacked in such form as to the stalk. It was removed into an adjoining pasture on a sled, and stacked in such form as to cure without becoming mouldy—at this time, the lot was quite green, with a vigorous growth of young herds grass." The corn was not measured, but estimated to be at the rate of forty bushels to the acre, after furnishing my own family, and several of my neighbours, with many delicious meals, while in the proper state for roasting and boiling. After the potatoes were dug, the ground which they occupied was levelled with the rake, and sowed with grass seed. It had sufficient time to vegetate, before the hard weather commento occasions too great a growth of vinc, though by plaints, it is of itself a remedy; and in dyspeptic states; the warmin and length of our summers of the hard weather comments over the hard weather comments of the hard weather comment winter months, its young roots being too tender to afford crops of 250 or 300 bushels to an acre. proper aliment; as a diet drink, no article of to resist repeated freezing and thawing. The latter part of March, the lot was carefully examined, and where any spots were found injured or killed by the winter, fresh seed was scattered and covered as before with the rake. The spring menths were favourable to its growth, and the months were favourable to its growth, and the fore part of July, 1823, the grass was cut, and afforded three tons of excellent hay. The crop was so have a favourant and tall, that it began to lodge natural soil will produce thirty bushels to the cient for a large family for two years. afforded three tons of excellent hay. The clop natural soil will produce thirty business to the was so luxuriant and tall, that it began to lodge, or fall down, by the middle of June. The ground is now covered with a heavy coat of fall growth, although two cows were pastured on it for six or although two cows were pastured on it for six or length weeks in the autumn; and should this year from the seed. Both are of an excellent quality, and ripened in the greatest perfection the autumn; and should this year from the seed. I have seen apples of the drop one seed, which should be covered about

year-nomanure was used.

The produce of the lot in 1822, stands thus,

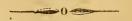
2 tons of hav. 2 tons of fodder. 40 bushels of corn. 5 bushels of potatoes. 1 do. of beans. S cart loads of pumpkins.

One of my other lots is occupied for pasturage,

for the last year or two, that it was thought ad | re seeding my meadow, and yet mowing it every ful climate, I should be weary, and your patience exhausted.

Very respectfully, Your obedient servant. S. P. HILDRETH,

JOHN S. SKINNER. Esq.



ARROW-ROOT,

ITS VALUABLE QUALITIES, PREPARATION FOR USE, AND MODE OF CULTURE DESCRIBED.

> Edisto Island, S. C. March 15, 1824. Sir,

The sea kale seed which you had the goodness to send me some time since, I planted, pursuant to the directions published in your 26th No., vol.

can procure for me, a few seed of the tea plant? I am fully persuaded, it will succeed here—at any rate, the experiment is worth testing.— Should you ever be able to comply with my request, an essay on its cultivation would also be desirable.

As I do not remember of ever having seen an article in your valuable paper, on the subject of the arrow-root, permit me to communicate such information, relative to its cultivation and properties, as experience has afforded. This plant, in botany Maranta, a genus of the monandria monogynia class, is a native of the West Indies,

eight weeks in the autumn; and should this year be favourable to vegetation, I have no doubt of cutting at least four tons on this small piece of an acre and a third.

The usual mode of cultivating such lands by of grapes flourish well, but the more delicate two or three crops of corn or grain, before seed-kinds, such as the white water, &c. require covering the selected the seed, it is necessary for their preserts. ing, I was unwilling to comply with, as I coulding in the winter while young, or until the vine is selected the seed, it is necessary for their presernot spare my meadow for so long a time; this he or six years old, when they bear the cold of led me to make trial of the above course, where by I have accomplished all I had in view, namely, on to describe all the productions of this beautition of the root for food is tedious, and in conselong as any coarse particles remain in the sieve the lucerne, will add much to the quantity of The water is then allowed to settle, and if it exhibits a clear and natural appearance, the seditie. The rye will admit of being cut green in those that are fond of obtaining boiling ears a little. ment is in a fit state to be dried, which should be this way, (before getting into seed,) two or three done, if possible, in the sun, and in a confined situation, where no dust can reach it. To a tagrant of the structure of the ble-spoonful, thus prepared, pour on a pint of 15 to 20 pound to the acre. boiling water, stirring it at the same time briskly;

W. B. SEABROOK.

JOHN S. SKINNER.

them have any, we doubt not they will be promptly offered.—Edit. Am. Far.

LUCERNE, ITS VALUE AND MODE OF CULTURE.

[We have long been persuaded, that the public are not generally sensible of the great value of Lucerne, in comparison with other grasses, for green food, especially in hot and dry seasons, and we are the more gratified in the opportunity of copying the following communication, to the Philadelphia Agricultural Society, founded, as it purports to be, on the experience of ten years. The seed may, we perceive, be now had, of Mr. Robert Sinclair, at 50 cents per pound.]—Edit. Am. Far.

TO THE PHILADELPHIA SOCIETY FOR THE PROMO-TION OF AGRICULTURE.

Berth Amboy, 10th July, 1823. Having been for eight or ten years past in the successful practice of cultivating lucerne, I think it may beneficially promote the interest of Agriculture, to offer you a few remarks on that subject.

This article, (frequently denominated French Clover,) I have found by experience, to be not only the most convenient, but also the most profitable of all grasses. It vegetates quicker in the Spring than any other grass, it resists the effect of droughts, it may be cut 4 or 5 times in the course of the season, and it will endure from 10 to 12 years without renewing. Of all other grasses it is the most profitable for soiling. I am fully of opinion, that one acre properly got in would be more than sufficient to maintain at least 6 head of cattle from the first of May, until the frosts set in, for before it can be cut down in this way, the first part of it will again be ready for the scythe. English writers have recommended the drill system for this grass, but in this climate I have found this plan not to answer.

The proper mode is to put the land in good order; to sow it broad cast, and to get the seed Esteemed Frie d in during the month of April, or the early part with Spring rye, or barley, or with oats, but in them. the last case, the oats would require to be cut green and before getting into seed, and by this ten to twelve feet, but the season was too short means, an early feed for cattle would be obtained for it to ripen; it was astonishing to see the a without impoverishing the soil. But the mode I mount of provender from a single seed, which would most confidently recommend, would be to when partially dried, the cattle ate greedily. sow with the lucerne, about half a bushel of com-

change the water at every successive trial, so ver again come forth in the spring, and mixed with farm.

The kind of soil most suitable for this culture of seed.

0

JOHN PATRICK.

[The liberality of our correspondents, in sending us seed of rare and valuable plants and grasses, has enabled us to distribute a great variety for experiment, in all the climates and soils of our extended country. It has given us pleasure to believe that in this way we have been the willing medium of diffusing some practical benefits, but that pleasure has been alloyed by the neglect of those to whom these seed have been given for experiment, in not making known the results. This has been promised in many instances, but very rarely performed. To continue to send such things when trial has proved them to be unprofitable, would be labour in vain, from which we have a right to be exonemake offerings in this way for the common benefit, should desire to know whether their wishes have been realised; and it is, moreover, a courtesy due to their publick spirit and disinterestedness. We shall hereafter endeavour to keep a register of all to whom seed and other fail in making the return here exacted, we shall at least make known the information we derive from those who make experiments and for them. This is at thy service. proclaim them, for the publick benefit as well as for their own use.

t is under these impressions and views that we give the following extract from a worthy friend in Pennsylvania.]-Ed. Am. Far.

RESULTS OF EXPERIMENTS

In Pennsylvania, with Egyptian Millet, various Corns, &c. and offering of Corn, Guernsey, Parsnips, Mercer Potatoes, &c.

TO THE EDITOR OF THE AMERICAN FARMER

I must acknowledge my negligence in not reof May. Fall sowing will not answer, as when turning my thanks for the many parcels of seed sowed so late, it, like clover, is found not to rethee has sent me; but I think I am now prepared sist the effects of the frosts. It may be got in to give an account of the success of the most of

The Egyptian millet grew to the height of from

quence of the toughness of the outer coat, it mon (winter) rye to the acre. The effect of this planted in drills; there was about a table-spoon would be advisable to perform the operation as is, that the rye, which vegetates quickly, serves full of seed received by me; and I gathered about speedily as possible after digging. As soon as this is effected, grate the roots in a clean vessel of water—then pass the contents thereof through a sieve—this must be repeated, taking care to

ed up by some small long-faced gentry.

The corn from Susquehannah county, produced to which add a little nutmeg and sugar, and you is a dry mellow land-but a sandy or clay land more fungi than corn; and will require a few will then have a jelly, pleasant as it is healthful.

Respectfully your ob'd't servant,

will also answer, frovided they are not wet. In years to naturalize it; I saw it growing on Robert

Respectfully your ob'd't servant, a favourable season, the lucerne may be cut the H. Rose's farm, in the above county, very luxuriensuing fall-after the first season you may gene- antly, and I have not the least doubt but that it rally begin to cut it green for cattle by the first produced with him 136 bushels per acre; it was of May, which saves the young pasture, and is planted I think, 3 feet apart one way, and 18 The request for the seed of the Tea Plant, will in every respect a great convenience, as hogs and inches the other, two to three grains in a place, meet the eye of all our readers, and if any of every description of animals devourit with equal and I counted on an average from 15 to 20 ears on avidity It produces a great quantity of seed, a hill; it has ears from the lower joint to the and is much more easily obtained than clover. The second from the top; I cannot but remark that I second and third crops are the most productive have not seen in my travels any upland so productive in corn, and grass, and I may add wheat, rye, oats, and flax, as Susquehannah county; it will become the best section for sheep in the states; containing beautiful seats for Factories.

The ice rined melon seed I have not planted. The wheat came too late for this season.

I send by the bearer, my Father, some red-cob gourd seed corn, which produced for me last season 71½ bushels per acre, on six acres; it is a mixture of the red-cob flint, and the genuine gourd seed, and has been carefully selected for many years-three half bushels of ears will make more than a bushel of corn, in consequence of the smallness of the cob; some men are very particular in lessening the bone of their feeding animals, and forget to observe the same nicety in regard to their cobs.

I also send some guernsey parsnips, which for rated; and besides it is natural that those who flavour, smoothness of skin, and fine shape, excel any thing of the kind that I am acquainted with; they shoulder up at the top, like a good Dishley sheep.

I forward too, some Mercer potatoes, which I was astonished to find were not to be found in your market; I do helieve that if I had 1000 things are sent, and if we do not note those who bushels, and that they were the only ones to be found, with the present credit they bear in Philadelphia, that I could obtain my own price

I remain with respect, thine, &c. JOSEPH KERSEY.

Downington, 3 Mo. 23d, 1824.

TO THE EDITOR OF THE AMERICAN FARMER. March 19, 1824.

Altho' I must acknowledge that you have had enough lately to sicken you with the Politicks of Agriculture, yet I must take the liberty once more to introduce them, (at least incidentally,) to your attention. A correspondent of yours from Frederick County, in Maryland, has lately conferred upon me certain favours in your paper, which I trust you will permit me to endeavour to return.

As he begins and ends with complaints and grievances, I have not much hope that I shall be able to say any thing which may change his tone; although an effort shall not be wanting, to do so. In the first place he censures my name of "Ruris Consultus," as "unfarmer-like;" and then immediately follows the example he condemns, by adopting for himself that of "Philo-Hamilton:"-

an animous surely, as inthe resembling that of a farmer, either in sound, or in nature, as any which
the most fanciful imagination could invent. He
next gives us an epitome of his losses and crosses,
all of which are most conveniently charged to
divent an expectation of the most fanciful invent, all of which are most conveniently charged to
divent an expectation of the most extensive breeders in the parts likely to be affected, it would answer the
horses, particularly while in the stable, an handful
purpose; I cleaned a number of trees, and put a
coat of line mortar, about \(\frac{1}{2} \) an inch thick, round the
body, then drew the earth up to it. These trees
the public can tell to the contrary, they may
the public can tell to the contrary, they may
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the purpose; I cleaned a number of trees, and put a
coat of line mortar, about \(\frac{1}{2} \) and there has not
been the sign of a contract that the contract that the
the public can tell to the contract that the contract the public can tell to the contract the public have been justly attributable to the same greedy, young stock of that kind, I make great use of improvident, and miscalculating spirit, which, during the late war, ruined so many other builders better growth than my own.

Of air castles for manufacturing. However, since Yours, respectfully,

I AMES MORNIS he speaks of his disasters in so risible a humour, we may spare our sympathy for the misfortunes of a gentleman who appears so well able to do without it.

In his predictions respecting the projected ta-riff, I hope for his own sake, that he is mistaken; since to have a man's fingers and his wits "a woolgathering" at the same time, would be rather more labour, I fear, than he could well perform —however solicitous he may be to engage in this twofold occupation. As for "the Crisis" which your correspondent seems to suppose, was written specially for the edification of President Munroe, by that most edifying of all writers, Hamilton; I must inform said correspondent, that I have actually read it through; and have found it to be little else, than a mere transposition of the same phrases and calculations, with which the same author has again and again dused the public for the last four or five years; and which have been as often exposed and refuted to the satisfaction of every man in the nation, except the would-be "wool-gatherers" at the public expense, and their coadjutors. Be this, however, as it may, I acknowlege myself much indebted to Philo-Hamilton for his very friendly and gratuitous sugges tion in regard to the nature of my future studies; but particularly so for his advice to read that most rare and precious pamphlet, the Crisis, as it is obvious he designs it all for my good. The reason he assigns for these kind admonitions, I consider a still stronger evidence of his regard,viz: "because I appear to him to shed my ink more for the purpose of convincing myself, than others." Truly, if he has made as many notable and ingenious discoveries in the science of agri-culture on his "thousand acres," as this is in the science of mind—to say nothing of the matchless feat which he has performed for that of Political Economy, he shall have, at least my vote to be henceforth installed our Magnus Apollo:-and to hold the office, -not durante bene placito, but for

One word more, Mr. Editor, and your friend "Ruris Consultus," with the "unfarmer like name," bids you adicu forever. I observed in the very next article to Philo-Hamilton's most vivacious letter, that the first words were "Wild Geese!!"—Will you be candid enough to tell an old subscriber, whether this was merely an accidental juxta position, or one of those apparently fortuitous readings which has more meaning, than meets the eye.

> Your constant reader and friend, RURIS CONSULTUS.

TO THE EDITOR OF THE AMERICAN FARMER.

BOTTS IN HORSES,

INFALLIBLE AND SIMPLE MEANS OF PREVENTING. Morrisiana, March 23d, 1824.

DEAR SIR.

The following observations if you think of suf-

Yours, respectfully, JAMES MORRIS.

MANUFACTURES.

Statement of the Amount and Value of Dutiable Articles, manufactured annually in the United States and Territories; the Amount of Capital invested; and the Amount authorized and in-MR. Poulson, corporated by State Laws, &c.

	States, &c.	Amount and value of dutiable articles manufactured.	Capital invested.	Amount of Capital authorised and incorporated by State laws.
1	Maine	424,648	439,808	
1	New Hampshire,	740,894	893,065	2,455,000
1	Massachusetts,	2,144,816	4,542,325	21,049,000
1	Rhode Island,	878,558	2,107,222	
	Connecticut,	2,429,204	3,144,525	5,540,000
	Vermont,	784,349	691,157	
	New York,	4,844,387	7,774,049	
l	New Jersey,	919.419	1,725,495	2,360,000
1	Pennsylvania,	5,049,276	6,123,077	1,115,000
I	Delaware,	561,500		
	Maryland, Columbia District	1,769,234		4,466,500
	Virgima,	,	45,200	
1	N. Carolina,	2,708,077	3,138,557	
9	S. Carolina,	473,656 70,922	376,508 280,775	
	Georgia,	494,752	219,635	
3	Alabama,	102,311	36,501	
3	Louisiana,	48,750		
ŀ	Tennessee,	1,924,221	976,229	
-	Kentucky,	2,141,089	2,575,522	
)	Ohio,	3,134,772	3,955,839	
	Indiana,	142,692	150,754	
	Illinois,	126,498	74,465	l
I	Missouri,	160,419	41,845	
I	Michigan Territ'y	34,500	60,835	
1	Arkansas Territ'y		1,700	
I				

To which should be added-Capital incorporated subsequent to 1820, viz. New Hampshire, Massachusetts,

Connecticut, New York,

Total, \$70,656,500

FROM THE RAHWAY ADVOCATE.

CONTRACTOR OF THE PARTY OF THE

PEACH TREES.

New York, 2d. Mo. 8th, 1824.

a name surely, as little resembling that of a far- and he was one of the most extensive breeders in length I concluded, could I completely shield the way as thou mayest think proper, as I wish it universally known.

Thy Friend, WILLIAM SHOTWELL. JAMES A. BENNET, Rahway.

From the Philadelphia Daily Advertiser.

A writer in your paper wants to know the Chinese method of propagating fruit trees .- A volume before me contains the following :- "The ingenious people of China have a common method of propagating several kinds of fruit trees, which has been practised with success in Bengal; they strip the bark off in a ring about an inch in width, from a bearing branch surround the place with a ball of fat earth or loam bound fast to the branch with a piece of matting; over this they suspend a horn with water, having a small hole in the end, just sufficient to let the water drop, in order to keep the earth constantly moist—the branch, throws out new roots into the earth, just above the place where the ring of bark was strip-ped off. The operation is performed in the spring, and the branch is sawn off and put into the ground at the fall of the leaf. The following year it will bear fruit."

-0-AN ACT

Directing a geological and mineralogical survey to be made of the State of North-Carolina.

Be it enacted by the General Assembly of the State of North-Carolina, and it is hereby enacted by the authority of the same, That it is hereby made the duty of the Board of Agriculture of North Carolina to employ some person of competent skill and science, to commence and carry on a geological and mineralogical survey of the various regions of this State; and that the person or persons so employed shall, at stated periods, furnish to the Board true and correct accounts of the results of said surveys and investigations, which shall annually be published by the Board aforesaid, for the benefit of the public, as provid-Dollars, 32,271,984 16,837 266 55,289,500 ed by the sixth section of the act of the last General Assembly, entitled "An act to promote Agriculture and family Domestic Manufactures within this State.

II. And be it further enacted, That for the pur-5,833 000 pose of-carrying the intention of the foregoing 6,840,000 section into effect, a sum not exceeding two hun-1,900,000 dred and fifty dollars, be, and the same is hereby 797,000 annually appropriated for four successive years, out of the unexpended balance of the agricultural fund, as created and set apart by the above recited act; and that the Treasurer of the State is hereby directed to pay the same to the order of the Board of Agriculture of North Carolina.

[What is hereby wisely ordered by the State of North Carolina, has been done in the State of New-York by the munificence of an individual, ficient importance, you may give a place in your paper, as I see the subject incidentally mentioned Being a great lover of good fruit, I have partiin one of your papers on the botts in horses. I called the loss of our peach trees, by to the development and augmentation of the inlenew a farmer of forty years experience, who the worm, and have treed every remedy that I ternal affairs and resources of their constituents?]
told me that he never lost a horse with botts, could hear of, but all to little or no effect. At Edit. Am. Far. "A Southerner," whose name is left with the ought to be clear of sediment. If the tube for | held agreeably to adjournment at EUTAW-

0 CUMBERLAND AGRICULTURAL SOCIETY.

Fayettville, March 11, 1824. The annual meeting of the Cumberland Agricultural Society, was held in this town on Mon-

day and Tuesday of last week, and agreeably to the provisions of the constitution of the society, requiring the election of officers, the following officers were duly elected for the ensuing year:

John A Cameron, President. John Hodges, and Vice President. James Seawell, Secretary. John Matthews, Treasurer. John Black, John Smith, Henry Elliot, Stervards. Josiah Evans, Daniel M'Lean, Neil M'Neil,

The following resolutions were then adopted: Resolved, That the sum of 3120 be placed at the disposal of the Board of Managers for the ensuing year, to be distributed by them in premiums, for the best specimens of such articles of domestic manufactures, as may by said board be upon by the Board of Managers.

Resolved, That the President be requested to deliver, on the day of said exhibition, a suitable

address.

The meeting was punctually attended by the President and Vice President, and most of the other officers, as well also by the members generally; and all manifested much laudable zeal in the promotion and advancement of the great ob-

Cameron, Esq. adjoining this town, on the 4th and 5th of November next. A list of the premiums, &c. will be published in our nexc.

[Observer.

QUICK VEGETATION FOR THE SEASON.

Richmond County, Va. 22d March. 1824. On the 30th December, I sowed garden peas, and they were discovered to be up on the 11th January, they were sowed in the open garden, but after Cobbett's plan of digging a trench 5 or 6 inches deep, and filling of it nearly full with sta ble manure on which a little rich mould was put, and the peas sowed on it and covered three or four inches deep. With the mould, and a covering of pine brush over that, they have stood the winter without the least injury, and are now eight or nine inches high.

FROM THE NEW BEDFORD MERCURY.

LIGHT! MORE LIGHT!

Mr. Printer.

I am persuaded from the little observation I have made, that the prejudice existing against an oil light, arises almost entirely from the ignorance of the person who trims the lamps. To produce a good light from oil, the inside of the lamps

editor of the Philadelphia Democratic Press, of the wick runs down into the bulb of the lamp, it residence of B.W. Hall, Esq. The attendance was fers to run a horse against Eclipse the ensuing will heat the oil, and cause it to burn freer than almost unanimous, and punctual to the hour fixed, spring, either on the Long Island, Baltimore or it otherwise would. In fixing the wick care should and the subjects presented for discussion being of Washington courses, agreeably to their respective be taken that it be only large enough to sustain importance to the society, received corresponding rules; or he will run against him at either of the above places, and each horse carry such weight not ascend the wick quick enough to supply the as the owner may think proper.

The chimater previously appointed to prepare a scheme of premiums, made their re-flame freely. The black crust should be cut off port, which was canvassed by the board, and its from the wick every day, and it should not then details modified and finally arranged as now pubbe raised too high, as it will smoke, or spread lished. Engrossed by the various interests and out, as I have often seen done, as that will cause objects of their institution, and cheered by the it to crust very soon, and the flame will soon grow dim.

> ---Facts deserving attention in this community.

In Salem, Massachusetts, the Poor House is a source of income to the amount of 1,300 dollars per annum .- In Quincy, Massachusetts, the labour of those of the poor who were able to do any thing, not only supported the sick and infirm, but also paid the interest of a debt contracted for the erection of a suitable house, and every year a part of the principal of that debt.

The passages of the ship Lancaster, of this port, having recently been the subject of discussion, we have, for the sake of accuracy, obtained the following abstract of the periods occupied in making three different voyages from land to land. Liverpool, Dec. 25, 1817—Arr. ship Lancaster, West Philad. Days Hours.

17 12 May 22, 1818, Arr. do. do. June 25, 1819, Arr. do. Burkhart 15 15* 16

* A passenger in the ship on this voyage, wrote deemed advisable; the exhibition (or show,) to his friends at home whilst off New Castle, and be held at such time and place as shall be agreed again wrote to them from Liverpool, after a laftse of only sixteen days.

TO THE EDITOR OF THE AMERICAN FARMER.

Frederick County, March 24, 1824.

SIR,

The enlightened agriculturist and distinguished breeder of cattle at Powelton, in Philadelphia county, has favored the public through your Anieject of the society—Agriculture.

The agricultural show and exhibition, will be digree of his "improved short horn stock," and held at Meadow Branch, on the farm of John A. at the same time mentioned their valuable properties "as milkers, quick feeders, and small consumers."—In order that others may form a just estimate of the first named quality, it is desirable to know, how much milk per day his cows will give on an average, say in two or three weeks after calving, and when six or eight months in calf; as to their being beautiful animals, and arriving at early maturity, we already have sufficient testimony, but from appearances, some surprize is felt at their being "deep milkers, and small consumers."-Mr. John P. Milnor, assistant recording secretary of the Pennsylvania Agricultural Society, says, in a letter addressed to you 3d. inst., that Mr. Powel's short horn heifers fed upon mangel wurtzel roots, "yield very large quantities of milk, affording the richest cream he ever tasted."—It would be satisfactory to know how much this very large quantity was per day, and if Mr. Milnor ever saw or tasted cream from Mr. Haine's Alderney cow-

A SUBSCRIBER.

THE FARMER.

BALTIMORE, FRIDAY, APRIL 2, 1824.

TRUSTEES MEETING,

port, which was canvassed by the board, and its pleasures of conversation, and the interchange of agricultural opinions and views, the day glided swiftly away, and the Board finally adjourned to meet on Wednesday the 7th of April, at the residence of Jacob Hollingsworth, Jr. Esq. on Elkridge.

It was decided that the Trustees make return of the amount of their subscription lists, to the Treasurer of the society, before the June meeting.

Judges are yet to be appointed for the several objects for which premiums are offered, and measures ought to be taken without loss of time, to renew the application to the legislature, for a donation for a limited time.

ITEMS OF NEWS.

NAVAL .- Com. Porter, in the John Adams, has arrived off St. Barts, after a boisterous passage, he stops there to enquire for Spanish and South American privateers, pirates, &c. &c. and will scour the West Indies in his way to Key West. This gallant officer now commands all our naval forces afloat, except those in the Pacific and Mediterranean Seas.

The U. S. ship Peacock, Capt. Carter, sailed from Hampton Roads on Thursday last, to join the squadron in the Pacific.—Lieut. Kennon, attached to the Frigate United States, Capt. Hall, goes passenger in the Peacock, after having been honorably acquitted by the court martial at Norfolk. Capt. S. Smith was tried and cashiered for conveying merchandize on freight, in a national vessel, but has been restored to the service by an order of the President, the court having recommended him to the Presidential clemency. Lieut. Weaver, of the navy, has been cast in a suit against certain merchants in New York, after receiving from them more than \$12,000, under a contract to go in a merchant ship to Lima, and to pass her under the protection of the Franklin 74, as her store ship. Congress have passed a law to divide the commissions arising from the transportation of specie in national vessels, into thirds, between the captain of the vessel, the other offi-cers, and the navy pension fund. The Secretary of the Navy, has issued an order, prohibiting under certain restrictions and limitations, the arrest of officers within the United States; which order is calculated to diminish the number of vexatious and expensive courts martial, and courts of enquiry. 'A bill to reorganize a naval peace establishment, has been reported in congress, creating two new grades-that of Vice-Admiral and Rear-Admiral, which are just as necessary and proper, as a Colonel to a Regiment, or a General to a Division -it's only the name that offends-sound is often confounded with sense-then call them Incas, or any thing else, only ensure us the practical effect of appropriate grades and due subordination.

FOREIGN .- England is at war with the Algerines this war will probably not be of long duration or great extent-it may compel her to hit out an expensive expedition, and then the Turks will make peace—and then—they'll break it again—In Spain, all is despotism and darkness-discontent and bloodshed-a king without talents or huma-THE LAST AND THE NEXT. nity; a venal soldiery, without any love of coun-The last monthly meeting of the Board of Trusshould be perfectly clean, and the vent hole at top always open and free from dirt. The oil tees of the Maryland Agricultural Society was pulace—stimulated to partial rebellions by leaders sion in the House of Representatives—two of the limits or interruption. most distinguished members, P. P. B. rbour, and II. Clay, have spoken; the first against, the sedency of the utmost concern to the nation .- The congressional committee on agriculture, have reported against any particular measure on the subwils, who is the son of John, King of Portugal .the mean time, holds on as a mere locum tenens. exclain triumphantly,

B. IRVINE, a citizen of the United States, has arrived at Laguyra, from Curracoa, after a barbarous confinement of sixteen months, without any sort of remuneration or redress -He was liberated by a direct order from the King of Holland, without trial, on the ground that he had not violated directly or indirectly, any law of Hol-

The Editors of newspapers in the State of Delaware, and the eastern shore of Maryland, would probably render to their agricultural readers, an acceptable service, by copying the first article in this paper on Marl. We embrace this opportunity to put another question to their consideration, and leave the decision cheerfully to other case, S8—Flax, lb. \$10 to \$11—Beef, of a horse called Hickory, twelve years old, full morther mess, per barrel \$10—Cargo, No. 1, blooded, and famous for his speed; another called hickory there were \$8 to \$50—do. No. 2, \$6—Baltimore prime. their justice and liberality. Almost every \$8 to 8 50—do. No 2, \$6—Baltimore prime, Chester County Bag, a complete draught horse, paper in this state copies, without loss of time, our account of the current prices of country produce—by thus giving the very item most accept—Georgia upland, 14 to 16 cts.—Alabama, 12 to A bull. Oakes, from the imported im duce—by thus giving the very item most accept—Georgia upland, 14 to 16 cts.—Alabama, 12 to A bull, Oakes, from the imported improved able to their country readers, they of course di
13 cts—Cotton Yarn, No. 8, 30 cts.—with an adDurham Short Horned bull, Coelebs, and from minish the demand for the Farmer, and the num-vance of 1 cent on each number up to No. 18—ber of its subscribers. These prices are collected Candles, mould, 12 to 13 cts—Dipt, 10 to 11 cts. each week with great care, labour, and consumption of time. If, then, they appropriate to their cts.—Susquehannah, per ton 56 50 to 57—Feaown use, that very portion of our labours, which, thers, live, 30 to 35 cts.—Fish, cod, dry, quintel, \$3 while it is most laborious, most emphatically falls—herrings, Susquehannan, \$275—snac, trimined, a celebrated cow cancel the Queen, while it is most laborious, most emphatically falls—herrings, Susquehannan, \$275—snac, trimined, a celebrated cow cancel the Queen, while it is most laborious, most emphatically falls—herrings, Susquehannan, \$275—snac, trimined, a celebrated cow cancel the Queen, while it is most laborious, most emphatically falls—herrings, Susquehannan, \$275—snac, trimined, a celebrated cow cancel the Queen, while it is most laborious, most emphatically falls—herrings, Susquehannan, \$275—snac, trimined, a celebrated cow cancel the Queen, while it is most laborious, most emphatically falls—herrings, Susquehannan, \$275—snac, trimined, a celebrated cow cancel the Queen, while it is most laborious, most emphatically falls—herrings, Susquehannan, \$275—snac, trimined, a celebrated cow cancel the Queen, while it is most laborious, most l feelings and sense of what is fair and right.

The deceased exhibited in the various relations co. 4-4, \$1 15 to 1 30-do. cl. 4-4, \$1 80-Shin-filly. and uniform tenor of a long and useful life, an example worthy of the highest respect, and pregnant with salutary suggestions, alike to the poor W. O. pipe, \$40 to 45-do. hhd. \$25-do bbl. and the tich. The former may have learned by \$15 to 17-R. O. bbl. \$15-do. hhd. \$17-his successes, what may be amassed, both of cha-Wool, fleece, merino full blood, 35 to 40 cts. racter and fortune, from a laudable ambition to per lb.-Cropped, 28 to cts.-Common counacquire both by persevering industry and fair try, 20 to 30 cts.—Skinn, 35 to 40 cts.—When dealing; and the latter may have seen in his mild assorted and cleaned, any of the above will obdeportment, and his numerous charities, how possible it is to enjoy and diffuse, the blessings of wealth unassociated with avarice, pomp, and Red and Brown, do. \$5 to \$9 do.—Cinnamon, do. vanity.

Few men ever more nearly fulfilled the wise injunction to "know thyself," for he never aspired to stations of power beyond the compass of his abilities, and was ever less eager to acquire in fluence, than to use what he justly possessed for the good of society.

All the numerous trusts both publick and pri vate, committed to his keeping, were discharged do. do. S1.

with some illustrions exceptions, venal and corrupt, with a spotless integrity, which, like the confi-HOME AFFAIRS.—The Tariff is under discus dence it inspired in his fellow citizens, had no pieces, 10 cts.—Veal, 10 cts.—Mutton, 5 to 7 cts.—

coud in favour of the general principles and po- best of all proofs-a constant adherence to the nips, per bushel, 50 cts.-Potatoes, do. 50 cts. licy of the bill.-Its fate is doubtful, and its ten- principles, and a daily practise of the virtues they meulcate.

We are not in the habit of inserting obituary notices, but in this case we have sought to gratify ject of duties on raw materials and produce from our own feelings, by bearing testimony in this way other countries, except such as are specified in to the honourable character, the benevolence and the general tariff bill, the principles of which the publick spirited and useful actions, of a man they approve and recommend .- M. I. Sylvester to whom this city is deeply indebted, not so much Robello, has arrived from Rio Janeiro, as Minister for the prosperity which his enterprise so essento the United States from the Emperor of Bra-tially served to augment, as for the moral influence of a life which teaches posterity that dili-It is said the father is fitting out an expedition to gence and rectitude are the true paths to indepenrecover the dominion of his Brazilian possessions, dence and usefulness, and qualify those who pracand some think, in concert with his son-who in tice them, at the close of their mortal career to

Oh de th! where is thy sting? Oh grave! where is thy victory?

BALTIMORE MARKET.

PRICES CURRENT-corrected weekly.

Wharf flour, \$5 50-Howard-st. ditto \$5 75-Wheat \$1 12\frac{1}{2} to \$1 14-Best family do. retail, The Editors of newspapers in the State of to 65 cts.—Oats, 22 to 25 cts.—Whiskey, 1st proof, next square only, giving our table of contents—lard, 9 cts.—Iron, pig, \$35 to \$40 per ton—that their readers may see that there is some-American, bar, \$75 to \$95 do.—Russia, \$85 tn 90 thing useful in our journal, besides what they in- do.—Swedes, assorted, \$90—Hoop, \$120 to \$130 thing useful in our joinmal, besides what they in-do—Swedes, assorted, \$90—Hoop, \$120 to \$130. A fine large imported Bedford Boar.—Two fine variably cull out of it? We submit it to their good do—Sheet, \$160 to \$180 do.—Nail rods, \$125 to feelings and sense of what is fair and right.

\$130_do.—Castings, \$75_to, \$85_do.—Lumber \$130 do.-Castings, \$75 to \$85 dn.-Lumber board measurement, cargo prices -Oak timber and DIED on the 30th alt. WILLIAM WILSON.

the venerable President of the Bank of Baltimore.

The decreased exhibited in the various relations. gles, cyp 18 in., \$3 to 3 50—Shingles, junip. 24 do. \$7 50 to 7 75—jun. com. \$3 50 to 5—Staves, tain an advance of 15 to 20 cts.

\$10 to \$15 do.—Spangled do. \$16 to 35 do.—Vir-

S2 50—Lucerne, per lb., 50 cents—St Foin, do. do. \$7—Red Clover, do. do. \$5 50—Timothy, do. do. \$4—Herds Grass, do. do. \$2—Millet, do. do. \$1—Mangel Wurtzel, do. do. \$150—Ruta Baga, t.ce—Prices, &c.

Retail prices of provision market-Beef, prime Turkeys, 75 cts. to >1-Geese, 50 to 56 cts. That he was deeply impressed with the benign — Chickens per pair, 50 to 62½ cts.—Eggs, 12½ doctrines of the Christian Religion, he gave the cents—Butter, first quality, 20 to 21 cts.—Tur-

Garden Seeds.

Just received by the ship Belvidera from Liverpool, a variety of choice seed, selected by a seedsman of the first respectability in London. I am assured that they are of prime quality, and of the last summer's growth, viz; Peas, Cabbage, Radish, Lettuce, Brocoli, Cucumber and Mellons all assorted, with a variety of other articles, which in addition to my former stock, makes my assortment very complete. Also 400 lbs. Lucerne seed.

In store,-Glade and other oats, early seed Potatoes of our own raising; Clover, Timothy, Herds', Millet and Orchard grass seed; Ploughs, Implements and farming tools generally ready made, and for sale at moderate prices, at my agricultural repository, Pratt-street wharf, Balti-R. SINCLAIR.

N. B. Country Merchants can be supplied with garden seed, on as moderate terms as they can be had in New York or Philadelphia.

Will be sold at Publick Sale.

descended from Robert Bakewell's stock of Dish-

the celebrated Oaks cow of Massachusetts, which made from the 5th of May until the 20th of December, 4844 lb. of butter, and fatted a calf; he

is two years and eight months old.

Baron, a large bull-he was by George, out of Dishley, and half Irish.

above stock took premiums at the last exhibition of the Pennsylvania Agricultural Society to

An excellent brood mare, with foal by Hickory -a horse colt by the same; and a Prizefighter

JOSEPH KERSEY.

N. B .- Full and satisfactory pedigrees will be J. K. given to purchasers.

CONTENTS OF THIS NUMBER.

Marl, how analyzed, directions for using -its effects on various soils-Next Maryland Cattle Show, when to be, and premiums offered-Ohio, Interesting facts connected with its dimate, soil, and productions-Arrow Koot, its valuable proparties, its culture and preparations described and recommuded -LUCENNE, its great value and culture—Experiments with va i us seeds in Pennsylvania, by Joseph Kersey—Rur's Con-sultus' Reply to Philo-Hamilton—Borts in Horses, simple Rappahannock \$3 do.—Ken cky, \$3 to \$6.

Prices of Seed.—Orchard Grass per bushel, press—An Act directing a geo ogical survey of North Carlot and Control of Seed.—Orchard Grass per bushel, press—An Act directing a geo ogical survey of North Carlot and Control of Seed.—Orchard Grass per bushel, press—An Act directing a geo ogical survey of North Carlot and N. C.

NATURAL HISTORY.

RABBIT, CUNICULIS, IN ZOOLOGY.

of a brown cast; when tanied, its colour ranges whiteness of mountain snow.

verbially, the idea of great fecundity.

When the buck approaches the doe, he first beats and stamps very hard with his feet, and after embracing her, falls backwards and lies motion less, as it were in a trance; in this state he may be readily taken, but he soon recovers from it. in son, e districts many hundred acres in a body lise authorities, which follow the interesting habits of that animal.]

Near Shelbyville, Ky. 6th March, 1824. TO THE EDITOR OF THE AMERICAN FARMER.

When we become subscribers to the Ameri ean Farmer, I consider it a tacit admission, that we belong to the same social compact, and that our general experience is a kind of common prowhenever you may think it beneficial to its mem-

your columns, it is then either of us (whose experience conflicts with such theory) is substantialin pression (and not from a spirit of contradie- lurking place tion I assure you, sir,) do I give you some of the theory of Doctor Macaulay, in your 40th No. of more plausible, tested by experience, and earry sol. 5, wherein he concludes that "the male rabing with it more of the rational. "bit destroys the young, for the sole purpose of "enticing the embraces of the mother."

Whilst I resided in Frankfort, I procured the white, the black, the gray, and the blue rabbits, to their babits, and all that I relate of them is what I have said is intended for his benefit. from hersonal observation. From the entire level of my lot, there was no bank, or hill side for them to burrow in, of course their cells were frequently deluged by rains, and their young drowned; to protect them from this easualty, I wort and cabbage-leaves, carrots, parsnips, ap rains. I eastrated most of the males when young, but with these moist foods they must always have so that at all seasons of the year, they were fit a proportionable quantity of the dry foods, as hay, for table use: to distinguish the stags, I always bread, oats, bran, and the like, otherwise they split one of their ears, so that I might not be will grow pot bellied, and die. Bran and grains mistaken in eatching them. Although I have mixed together have been also found to be very never had an hundred at a time, yet I have had good food. In winter they will eat hay, oats, and upwards of ninety. Like all domestic animals, chaff; and these may be given three times a day: they may be taught to come to food by any par but when they eat green things, it must be oh ticular sound—I chose a peculiar kind of whistle served, that they are not to drink at all, for it between the hands, and by shelling corn around would throw them into a dropsy me, could take by the ears any one of them with-out disturbing the rest. I would advise a south-that must always be fresh."

ern hill side for a warren, and the only way i Interesting and authentic account of some of its against the wall, and sunk only level with the giving them fresh gathered, with the dew or rain curious habits. | surface, so as to form a nine inch pavement all manging in drops upon them. It is excess of mois-[This little animal affords a remarkable instance, around the warren; the rabbit will commence ture that always causes this disease; the greens, in the variety of its colours, of the effect of immediately at the wall to burrow out, the brick therefore, are always to be given dry, and a sufdomestication. In its wild state, it is uniformly pavement prevents it. Some few days before parthrough every shade, from raven black, to the to six or eight feet, and carries grass, hay, or ture of their juices. On this account, the very whatever litter is most convenient, and forms her They begin to breed at a year old, sometimes bed; she then closes the mouth of the hole by resooner; and multiply five, six and seven times turning to it part of the dirt, and pressing it down a year, having from four to eight at a litter, with her fore fect, so as to leave no appearance thus increasing so rapidly, that to say that of the hole. Just before parturition, she opens "she breeds like a rabbit," is to express, prothe hole and lines this bed with her own fur, and the hole and lines this bed with her own fur, and a sufficient number kept in case of accidents. immediately after parturition she comes out, the buck, and in less than ten minutes receives a new impregnation. She does not visit her young but once in twenty-four hours, unless it is in the hight, which I do not believe. I have seen them to the rankoess of their feeding; and the general The extent of rabbit warrens in England, where, open the hole, go in, and notformly in two minutes cure is the keeping them low, and giving them by the watch return, close the hole securely and the prickly herb, called tare-thistle, to eat. are appropriated to the raising of rabbits for leave it. I have then by removing the box and sale, would appear surprising to those who had examining the young, found them quite full. In males is, that one buck rabbit will serve for nine never adverted to the subject. As enquiries about three weeks she leaves a small opening at does; some allow ten to one buck: but those have been made by correspondents relative to the mouth of the hole, the young then occasion- who go beyond this always suffer for it in their the proper construction of rabbit warrens, and ally come out, in a few days more she closes the breed." their man gement, we give sketches from Eng- hole when they are out, and when they are thirty days old she has a new litter. When I have and curious remarks of Mr. Hardin, on the wanted to use the young for broiling, I have at the time of parturition, and for some time after kept the mother secluded from the buck, so that she might suckle them a few weeks longer.—If these statements be true, Doctor Macaulay's supposi tion is without foundation. So much for facts, take my conclusions for what they are worth-iny lown conclusion has been, and still is, that at parturition, the mother leaves with the bed of young exactly the kind of odour, which accompanies perty, upon which you have a right to draw her to the buck, after the first caresses she plays the eoquet and hides from him; in his search for her, if he comes to the bed of young, And should any speculative theory appear in (to which he is guided by the seent, unless they are very secure) he scratches them to pieces, not from motives of destruction to them, but to drive ly called on to contribute his mite. Under this the doc (which he believes there hid) from her

This too may be a speculative theory, and I habits of the rabbit; which at once overturns the can have no objection to its being put down by one

Respectfully, yours,
MARK HARDIN.

P. S. You may think strange that I have gone so much into detail. This is my apology—long and after a few years, some of the offspring turned since some of your subscribers called for informaout entirely yellow, or copperas coloured. As tion respecting warrens, and I have never seen an they were a rarity with us, I was not inattentive answer to it, of course if he is not better supplied,

O UTIVE

M. H.

Profit,

"The food of the tame rabbits may be cole frequently dug down to the extremity of the hole, ple rinds, green corn, and vetches, in the time of and fixed an inverted box over the place, so that the year; also vine leaves, grass, fruits, oats, and the young neight be placed in the box during hard oatmeal, milk-thistles, sow thistles, and the like; At all other

"Rabbits are subject to two principal infirmities. could prevent their burrowing out, was to place First, the rot, which is caused by the giving a row of bricks, laying them flat with their ends them too large a quantity of greens, or from the pavement prevents it. Some few days before particient quantity of hay, or other dry food, interturition, the female burrows her hole from four mixed with them to take up the abundant moisbest food that can be given them is the shortest and sweetest hay that can be got, of which one load will serve two hundred couples a year; and out of this stock of two hundred may be eat in the family, two hundred sold to the markets, and

"The other general disease of these creatures is securely covers the hole, and runs in search of a sort of madness: this may be known by their wallowing and tumbling about with their heels upwards, and hopping in an odd manner into their boxes. This distemper is supposed to be owing

"The general computation of males and fe-

The estimate of the warren, on the estate of Thorseway, in England, of 1700 acres, as given by the tenant, Mr. Holgate, with the silver

sort of rabbits is this:]

	£.	8.	di
"Labour, three regular warreners, with extra assistants at killing,	85	0	0
Fences,	42	10	0
Winter food,	42	10	0
Nets, traps, &c. &c	14	3	4.
Delivery,	21	5	0
Rent is said to be 7s, an acre,	595	0	0
The capital employed is the above with the addition of stock paid for: suppose this as stated about three couple an acre at $2s$, $4d$.	59 5	.0	0
	1395	8	4.

Interest on that sum one year at 5 69 15 5 her cent.

1465 3

296 9 7

Annual Account. £ s. 800 8 Expenses as above, 69 15 5 Interest, 870 3 1166 13 Produce 10,000 couple, at 2s. 4d. 870 3 Expenses,

Or about 221, per cent. (the 5 per cent. included) on capital employed. This the writer observes is very great, reckoned on the capital, but small reekoned by rent, as it amounts to only half a rent. But suppose the gross produce of 1500, which he takes to be nearer the fact; then the account will stand thus;

1500 0 Produce. 870 3 Expenses, 629 16 Profit.

or 45 per cent on the capital."

" It is remarked, that the author of the Treatise on Agriculture and Gardening, has bred these animals with much success and ornamental effect was indeed evident in a two-fold manner :- first, in, a small artificial warren, in a lawn in the gar

den, made in the following manner.

diameter, and lay it on the outside; then dig a of all ranks, who had likewise the additional enditch within this circle, the outside perpendicular, joyment of as fine weather as December ever the inner sloping, and throw earth sufficient into produced. It has been before observed, that the the middle to form a little hill, two or three feet Yard where this assemblage of choice stock is Kitelee, on grass, hay, turnips, and 1,500 lbs. higher than the level of the lawn; the rest must shewn, is admirably adapted for the purpose;— of oil-cakes. Travelled 55 miles to the show. higher than the level of the lawn; the rest must shewn, is admirably adapted for the purpose;be carried away. Then lay down the turf on the it admits of a perfect arrangement and classificahill, and beat it well to settle The ditch at bot | tion; and no pains were spared by the Proprietom should be about three feet wide, and three tors to render it in every respect safe and agreeand a half deep, with two or three drains at the able. Since the removal of the implements to grass, hay, and 170 oil-cakes. Travelled 72 miles. bottom, covered with an iron grate, or a stone with the spacious lofts, the whole area is free for the holes, to carry off the hasty rains, in order to exhibition of the animals—and at the same time and 8 months old, bred by Mr. John Jones, and keep the rabbits dry. In the outside bank should there is ample room for the company: even ladies be six alcoves, the sides and top supported, either graced the Yard with their presence, and passed by boards or brick work, to give the rabbits their along without the least inconvenience or danger.

Mr. Charles Tibbits, a Durham ox, 3 years dry food in; by their different situations, some The gratification has been, we are happy to say, and 84 months old, bred by himself, (by Baronet), will always be dry; six boxes, or old tea-chests, without alloy, whether as regards the public or and fed on bean-meal and oil-cakes. Travelled let into the bank, will do very well. If the ground the candidates; and on no former occasion have 73 miles. be very light, the outside circle should have a we perceived more unanimity and satisfaction. wall built round it, or some stakes driven into the ground, and boards or hurdles nailed to them, within a foot of the bottom, to prevent the bank early on Friday morning, long before day break, old, ditto, ditto. from falling in. The entrance must be either by the early visiters, persons who are called by their a board to turn occasionally cross the ditch, or business to Smithfield, found the Yard brilliantly old, by a ladder. The turf being settled, and the lighted with gas; the labels descriptive of the above. grass beginning to grow, turn in the rabbits, and animals all up; and every arrangement complete. they will immediately go to work to make them Thus preselves burrows in the sides, and in the hill. By follows:way of inducing them rather to build in the sides, to keep the turf the neater, make a score about a foot deep, and they will finish them to ling:—

about a foot deep, and if there be a brick-wall

To the Marquis of Exeter, for his Durham ox, round it, it should be built on pillars, with an 2 years and 11 months old, the prize of Twenty fed by him on grass, hay, and 370 lbs. of oilarch from each, to leave a vacancy for a burrow." Guineas.

Cakes. Travelled 78 miles. But there is, he says, another way that may be class 2.—For oxen or steers of a practised, which is, "to dig the ditch only about age, weight 160 stone and upwards:two feet deep, which will yield about earth enough to make the hill; put some pales, about a foot 5 years and 8 months old, bred by Mr. John Jones, high, on the outside, for that will be a sufficient and fed by Mr. Rowland, on grass, hay, Swedish ably fine, an unprecedented number of visiters height to keep the rabbits in. Feed them as other turnips, and 2250 lbs. of oil cake, the first prize attended this useful and interesting exhibition, tame rabbits are fed; and in wet weather sprinkle of Twenty Guineas. saw dust at the bottom, by which means the quantity of manure will be increased; once a week is often enough to take it way: the quanti- fed by Mr. Kitelee on grass, hay, turnips, and the stream was impossible:-the fame of the ty will be surprising, nor will the smell be in the 1500 lbs. of oil cake, the second prize of Ten stock had gone abroad, and the curious of all least offensive, even though it be quite close to the house. In a very large lawn, two or three of these hills, with the rabbits feeding on the tops, age, under 160 stone, and above 110 stone weight: will not be unpleasing objects. If the bucks happen to be mischievous in killing the young ones, they must be chained in an alcove; or else have Cooper, and fed by Mr. Draycott, on grass and the light and spacious lofts over the Yard. their liberty as in a warren. After a great snow hay only, the first prize of Fifteen Guineas. they will want some assistance early next morning; because the ditch will be nearly filled, and perhaps the alcove, where the hay is, will be Tomkins, and fed by Mr. Senior, on grass, hay, iron chaff-cutter (on Salmon's principle); two blocked up."

He adds, that "it is a great improvement to Guineas. castrate the young bucks, and keep them till they are full grown, hefore you kill them; the flesh are full grown, hefore you kill them; the flesh A Scotch ox, 4 years old; a Durham ox, 3 years dairy milk pans, turned, and tinned inside. They will be amazingly finer, whiter, and tenderer. But and 10 months old; a Hereford ox, under 5 years also exhibited a tread mill for grinding corn, and then it will be best to take them away, and keep old; a Hereford and short-horned ox, 4 years a revolving weed extirpator. them in another warren, lest they should be too and 6 months old; and a Hereford ox, 4 years Messrs. Bailey shewed cast-iron rick-posts, numerous, and disturb the breeding does; or else and 9 months old

in."

SMITHFIELD CLUB-CATTLE SHOW.

The pleasing duty of reporting this Annual the above head. Meeting has again come round, and we are happy to observe that, in the number of excellent ani mals, and the general merit of the stock brought steer, 3 years and 3 months old, bred and fed by forward on this occasion, the present Exhibition has never been surpassed. The interest it excited I ravelled in canal boat 150 miles.

by a sufficient competition in every class, and the consequent adjudication of all the Premiums; "Pare off the turf of a circle, about forty feet and, second, by a numerous attendance of visitors

Though the Judges were not able to finish their old, ditto, ditto. arduous task till late on Thursday evening, yet

OXEN.

Class 1 .- For steers or oxen of any breed unto keep the turf the neater, make a score of holes der 36 months old, without restrictions as to feed-ditto.

Class 2.- For oxen or steers of any breed or

To Mr. Richard Rowland for his Hereford ox,

Guineas.

Class 3.—For oxen and steers of any breed or

years and 10 months old, bred by Mr. James

To Mr. James Senior, for his Hereford ox, 3 years and 9 months old, bred by Mr. Thomas and 600 lbs. of oil-cake, the second prize of Ten

The following were also shewn in this Class:-

have a few hutches in the alcove to fatten them [Here follows account of prizes awarded for long wooled and short wooled sheep, pigs, &c.] EXTRA STOCK.

This part of the Exhibition was no less grati-Brom a long account in the London Farmer's fying than the preceding, and nothing can more Journal, we have extracted a few of the parti fully show the interest taken in the welfare of the Stock, from distant parts, having been sent under bean cracker, and oat and malt craker.

OXEN.

Mr. Charles Champion shewed a Durham on grass, cabbages, turnips, and oil cakes.

Mr. John Drayson, a Scotch ox, 44 years old, led by him on grass and hay. Travelleu 81 miles. Mr. Robert C. Harvey, an ox, 2 years and 11 months old, bred and fed by himself on grass, hay, turnips, and oil-cakes. Travelled 105 miles.

Mr. Richard Kitelee, a Hereford ox, under 5 years old, bred by Mr. Tomkins, and fed by Mr. The Judges commended this ox.

Sir Charles Knightley, Bart. a Monmouthshire ox, 4 years old, bred and fed by Sir Charles, on

Mr. Richard Rowland, a Hereford ox, 5 years

Ditto, a Durham ox, 2 years and 111 months

Ditto, a Durham ox, 2 years and 81 months

Ditto, a Durham steer, 2 years and 9 months old, bred by him (by Rob Roy), and fed, &c. as

Ditto, a Durham Steer, 2 years and 11 months Thus prepared, the Stock came under review as old, bred by him (by Justice), and fed, &c. as above.

Ditto, a Durham steer, under 3 years old, ditto.

(The Judges much commended the last six oxen.) Mr. George Tibbits, a Scotch ox, 4 years old,

Mr. Thomas Walker, a Hereford ox, 7 years old, bred by Mr. William Rayer, and ted by Mr. Walker, on grass only. Travelled 85 miles

On Monday, the weather continuing remarkand were evidently highly gratified with what To Mr. Richard Kitelee for his Hereford ox, they saw. From ten to three o'clock the Yard under 6 years old, bred by Mr. James Lee, and was so crowded, that to move otherwise than with ranks poured into the place, as fast as they could gain admittance.

Having already given an account of the stock, To Mr. Wm. Draycott, for his Hereford ox, 3 our next business is to furnish a brief statement of the implements, seed and roots, exhibited in

[Of these we omit many as not so interesting

as the following.]

Messrs. Lees, Cottam, and Hallam, shewed an corn bruisers; cattle hurdles, of iron, requiring no stakes; cast-iron glazing frames, for cucumber beds, and for garden hand glasses; cast-iron

caps and bearers.

Mr. H. Marriot shewed his portable iron vertical plate flour-grinding machine, and portable bolter, by which the expeditious conversion of wheat to fine flour is performed.

Mr. Thomas Parkes, an excellent steel corn mill and bolter, by which wheat was ground and culars, which may prove interesting to our Club, than the circumstance of so much excellent dressed, before the spectators, as above, and a

> Mr. T. Wedlake shewed a larg fixed chaffcutter, with an assistant power, and a smaller portable one on wheels.

Mr. Jeremiah Stockdale, bean mills and malt

Mr. Thomas Edgington, an improved hoisting

Mr. Webb exhibited proofs of his American respectively drank. fluid, on hard decayed old harness and engine diseases,—on horses, cows, sheep, swine, dogs, the 1st. plate in Class IV.; and Mr. Jame and other animals; he likewise produced a spe-vov, Senior, with the 2d prize in this class. cimen of good leather, made from the Kangaroo Wales.

the seeds of ten varieties of the turnip; yellow ing his success on similar occasions in future. mangel wurtzel roots; of grass seeds, nine distinct species; several clovers &c. &c.

mangel wurtzel, of his large, kidney-shaped, red potatoes; and apples and pears of very numerous thankful for this renewed mark of your approba-

and choice sorts.

Mr. Barrenger took portraits of Mr. Adam's prize cow, and of a Leicester sheep; also of Mr. Rowland's prize ox : and Mr. W. H. Davis painted the Marquis of Exeter's prize ox.

THE DINNER.

rangements for the next Annual Show were and not the least useful because it tends powering:—

Mr. Goude's 3 Leicester Prize wethers, weighed

Her Grace the Dutchess of Rutland, Lord Viscount Althorp, Lord Huntingfield, Sir Charles Knightley, Bart., John Reeve, Esq., Mr. Richard if any one knew how to hold a plough but him-Rowland (Mr. Westcar's successor at Creslow), self and his father."

Mr. James Senior, Mr. William Hayward, Mr.

The Chairman then proceeded to read the each, 187 pounds. Todd, and Mr. Thomas B. Gower.

Soon after five o'clock about 190 of the members and their friends sat down to an excellent and 4th, plate in the same class.

King."

ples and pears, comprizing nearly six hundred play as a breeder with Mr. Grantham. distinct varieties, raised by himself at his nursery

The Chairman then gave "Mr. Co" establishment and orchard.

fore the Chairman, who, in announcing the prize in the 1st. Class to the Marquis of Exeter, excitement to excel in the production of good ani- away earlier than usual. mals. The Noble Marquis's health was then drank in a bumper.

The 1st. premium in Class II. was next presented to Mr. Richard Rowland, accompanied with a wish that, as the nephew and successor of Mr. Westcar, so famous in the annals of this Club, the lier's Yard, and since slaughtered by the respechonour of Creslow Farm would long be supported. tive purchasers, of whom Mr. Giblett, of Bond-

sacks, &c.; rick cloths; tilting horse cloths, &c. Senior, took the 2d. prize. Their healths were pletest and most extensive shew of the kind ever

Mr. Joseph Bull was next announced as the hoase, which was completely renovated by his son-in-law of Mr. Masters, a distinguished exfluid; also, a variety of cases of cures on various hibitor at these shows. He was presented with diseases,—on horses, cows, sheep, swine, dogs, the 1st. plate in Class IV.; and Mr. James Tre-

The Chairman, in presenting this premium to hide, from Van Diemen's Land, New South Mr. Senior, observed, that in conveying to him Mr Senior's Hereford Ox, 4 year 8 months this mark of the Society's approbation, he hoped Messrs. Gibbs and Co. exhibited the roots and he would have frequent opportunities of witness- Mr. Senior's Prize ditto, 3 years and 9 He may not be then in the exalted situation Mr. J. Kitclee's Durham Steer, which he then held as Chairman (Cries of "Yes, Mr. Trevor Senior's Prize Scotch Ox, Mr. Leonard Phillipps shewed very large red yes!" and applause.) As soon as the approbation Mr. R. Kitelee's 5 year-old Hereford Ox, somewhat subsided, the Hon. Bart. said, "I am Mr. Champion's white Durham Steer, 3 tion; I have often experienced it before, and in From this husy scene, the members of the club motes-useful, too, because it brings together white steer has been presented to the king proceeded to the Freemason's Tavern, where a men of similar pursuits from remote parts of the Of the carcases of mutton in Mr. Giblett's shop agreed upon and ordered; and Mr. Charles fully to dissipate those local prejudices to which Mr. Goude's 3 Leicester Prize wethers, weighed Champion and Mr. John Inskip, jun. appointed we are liable, and which it is the interest of us together, 480 lbs. or 160 lbs. each—Mr. Pawlett's 3 stewards. The following new members were all to remove (applause.) In illustration of the ditto, weighed, respectively, 160, 135, and 132 then elected:—

cffect of local prejudice, the Hon. Baronet men-pounds.—The Marquis of Exeter's six Leicesters,

The Chairman then proceeded to read the each, 187 pounds. William Guerrier, Mr. Wm. Bailey, Mr. Geo. award of the Sheep premiums, and the company Inskip, jun., Mr. James Wetherell, Mr. Robert drank the health of Mr. Pawlett, as the successful candidate, 1st. and 2d. in Class VI.: as also but he will not be weighed till to-day: a finer that of Mr. M. T. Goude, on receiving the 3d. carcass of beef was never seen. We do not know

dinner.—Sir John S. Sebright in the chair. On the cloth being withdrawn, Sir John gave, "The the 1st. and 2d. premiums in Class VII., Sir John observed, that several years ago he used himself the hind quarters of six-and-twenty Scots, bought A letter was then handed to the Chairman from to gain Southdown prizes at Lewes Show, though of Mr. R. C. Harvey of Norfolk. Finer meat Mr. L. Phillipps, which was read:—it requested now Mr. G. would outstrip him; but he (Sir John) his brethren of the Club to accept a desert of ap- had a son, who he hoped, would, ere long, shew

The Chairman then gave "Mr. Coke of Norfolk." "Mr. Reeve, of Wighton," was propos-Sir John, in the name of the company, thanked ed by Mr. Ellman, junr, with a few handsome good Northampton, as well as Down mutton. But Mr. P. for the present, and was happy to find he prefatory remarks. Mr. R. began as a Leiceshad added his own good company. The Chair ter breeder; but had been for years past a first and the rivalry of three great butchers, Mr. man then gave "The Duke of York and the Arman terms of the South down breeder, which his annual Tupmer," and "The Wooden Walls of Old England." lettings amply testified. Mr. Reeve briefly replace to be given to the successful candidates plied to the compliment; and gave all the merit met with. was now introduced, and tastefully arranged be- of his success in breeding to the late Mr. Bakewell, whose memory he begged to give as a toast.

in the 1st. Class to the Marquis of Exeter, ex-pressed his hope that the praiseworthy example the health of "The Stewards" being given, from of the Noble Marquis would be followed by the the Chair; with thanks for their excellent ar-Nobility of England. There was no more useful rangements. The company broke up soon after occupation in which a Gentleman could engage, nine o'clock, perfectly gratified with the whole than that which it was the object of this Club to of the proceedings. We never saw Sir John Seencourage: it was not only beneficial to himself, bright in a more happy mood:-and the compabut to all around him, inasmuch as it was an ex- ny had to regret that other affairs called him

Merits of the Stock, Dead Weights, &c.

particulars of a part of the stock shewn in Sad-the yard. Mr. Richard Kitelee's health was next drank, on street, seems to be by far the largest: his shop the weight of the Mr. William Draycott was then presented pair of hind quarters of prime beef-also the was 165 hounds.

jack; also, flexible and non-adhesive tarpaulin, with the 1st. prize in Class III.; and Mr. James carcases of 100 sheep, forming together the com-Amongst those which constituted this seen. grand display were-

Weight of Carcass. The Marquis of Exeter's prize Durham Steer, 2 years 11 months old, lb Mr. D. Kitelee's Prize Hereford Ox, 6 lb. 1462 years old, 1598 old. 1468 mouths old, 1146 1258 956 1520

years and 3 months old, 1466
The rough fat of this last was 210 pounds, and return for the kind partiality you manifest towards of the Marquis of Exeter's 152 pounds. Where me, I candidly assure you, that in whatever situall are so good, it is hardly necessary to draw the ation I may be placed, I shall be always anxious attention to any particular animal, and those who to devote my most earnest endeavours to the pro saw them alive can pretty well appreciate their motion of the interests of this institution—an in-excellence. A baron of beef [which corresponds stitution useful by reason of the objects it prn- with the saddle of mutton] from Mr. Champion's

meeting was held, at which the necessary ar- country, and binds them together in social union; we can only give the weights of the follow-

tioned the instance of a boy whom he knew in shewn as extra stock, weighed, two of them 140 the country, who used to say, "He'd be d——d pounds each—one of them 153 pounds, two of

We have endeavoured to obtain the dead weight of Mr. Rowland's Prize Hereford Ox; who hought Mr. Draycott's Prize Hereford Ox,

fed on grass and hay only.

Next to Mr. Giblett's exhibition is Mr. Lee's of Leadenhall Market, where we saw hanging there canuot be; and one would have thought from their excellent proof, that these Scots had been intended for some such a customer, where their carcases might be seen together. There was also in Mr. Lee's shop some extraordinary and the rivalry of three great butchers, Mr.

The information we have obtained respecting the South Downs exhibited at Sadler's yard is but scanty. Mr. Grantham's pen of Shearlings, which obtained the prizes as breeder and feeder, were universally admired; as was his three-yearold Southdown Wether, which was judged to weigh 160 pounds.* The following are the weights of Mr. H. Boys' Shearling Wethers, exhibited in competition with Mr. Grantham's.

No. 1, dead weight 119 pounds, fat 17 pounds -No. 2, do 111 pounds, fat 17 pounds-No. 3,

do. 110 pounds, fat 18 pounds.

These sheep were wholly of Mr. Ellman's breed, and were considered the heaviest Year-We have been favoured with the following ling South-down Sheep ever before exhibited in

Messrs. Hailes and Brooks, of Newgate market, exhibited in the Yard, the carcass of a Cots-wold and Leicester Wether, belonging to Mr. Large, of Broadwell, Oxfordshire. It attracted DEAR SIR, general notice. There were two sent up to the above salesmen by Mr. Large, and their dead the Pennsylvania Agricultural Society, your opi- No. Age. weights were 243 pounds and 204 pounds. They mions, in relation to the various breeds of neat 1.—1801. br. m. Duchess, bred by the D. of Grafwere complete pictures, and as round as a barrel: cattle, in Lancaster county, and the result of your their proof was excellent. Mr. Large is famous experience with the Short Horn Stock you purfor these sheep, and in this way now and then chased at my farm in the last year. Will you be excites the wonder of the Londoners.

pense to the unsuccessful candidates for the hood, who have seen "Alderneys," and the dif- 3,-1804. ch. m. Lady G (Magician's Sam) bred trouble and expense they have incurred, must be ferent breeds taken to your county, approve the in receiving the just meed of praise which is selection you have made? due to their stock. We may add a statement of one or two facts connected with this subject, though not with the Shew, which have come to us, tho oughly authenticated. A lamb, 7 months HENRY A. CARPENTER, Esq. ? old, has been killed at Birmingham, bred and fed by Mr. Herbert of Powick, near Worcester, which weighed as follows: the four quarters 104 Ib. head and pluck 6 lb. skin 93 lb.; at an early age it lost its dam, and was suckled by a cow. The other fact is, that Mr. B. Hobbs, of Can nington, near Bridgewater, sold at Salisbury fat market, on Tuesday last, six 4 tooth Wethers, of from you, last year, and my opinion of the neat 5.—1809. ch. m. Statira, bred by Mr. Forth, got his own breeding, for the sum of thirty-six pounds cattle, of Lancaster county. Males of various by Alexander the Great; sister to twelve shillings. Our correspondent says, this 18 breeds of neat cattle, have been brought to this o crack, though it may surprise the crack-reeders of some of the midland counties.

To the preceding we add the following account of BALTIMORE MARKET.

A bullock 5 years 11 months-fatted by John Bar ney of Delaware,

Two fore quarters Hind ditto,

913 lbs. 694

the prize at a Cattle Show in that state

Two fore quarters, 438 lbs. Hind ditto, 379

817 lbs.

A pair of working cattle bred and fatted by John Yellott, Senr. Esq. 1099 and 991 los.

The two steers raised and fattened by John Yel lott, Jr. of Baltimore County, and which were sold by Caleb Turner & Son, were of the following ages and weights:-

One six years old-wt. of Beef	1304 H	bs
Rough tallow,	252	
Hide	146	
One five years old-wt. of Beef	1296	
Rough tallow	203	
Hide	130	

3331 lbs.

Mr. Barney is now fattening a heifer, bred by Gen. Ridgely; which for early maturity and good handling, he thinks superior to any thing ac has seen.

FOR THE AMERICAN FARMER.

Powelton, June 5, 1823.

I am anxious to obtain for the information of pleased to state whether the cows are good milk-A pig of the Berkshire and Oxfordshire breed, 15 months old, bred by Mr R. Smallbones, of Hordley, Oxfordshire, was much admired. It weighed 322 pounds.

It would give us pleasure in this manner to go cow and calf, and proportionate prices, for half blood heifers by the admirable bull Denton? Theopha, by Highlyer; Plaything, by Matchen; Wixen, by Regulus, &c. A pig of the Berkshire and Oxfordshire breed, ers? whether the bulls are docile and good feed

I am truly, yours, &c.
JOHN HARE POWEL,

Paradise, Lancaster county.

Carpenter Hall, Lancaster Co. Pa. ? June 14, 1823. }

DEAR SIR,

You desire to know, the result of my experiments, with the Short Horn Stock, I purchased county, some years back; but they have been so much crossed, with the common stock, and so that at this time there are none that shew any marks of a distinct breed. The two half blood and the following, unless otherwise that at this time there are none that shew any marks of a distinct breed. The two half blood some superior cattle, lately slaughtered in the heifers, by the short horn bull Denton, which you stated had calved last July, produced through the course of last winter butter of a better quality, than any I ever saw made in the month of May, and it was always obtained in about ten minutes churning. One of these heifers produced, a call the beginning of June, the other (the three year 7.—1812. gr. m. Miss Peyton, by Gracchus; dam old) has supplied nine labouring men all spring, with a sufficiency of milk (and butter once a day)

Telegraphe, by old Wildair; Logania, by Medley. See No. 6. 1607 lbs. old) has supplied nine labouring men all spring, Two bullocks weighing 1322 and 1199 lbs. fatted which production exceeded that of a fresh milch by Mr. Blandy, of Delaware; these were a pair cow of the common stock, which I had selected of New York working oxen, which had taken with great care, and that proved to be as good a milker as the neighbourhood could produce. I am 9.—1814. b. m. Y. Frenzy, by Gracchus; Frenzy, A heifer bred by Genl. Ridgely, of Hampton, and sorry that I cannot give you an account of the fatted by John Barney, of Delaware. Moss Rose, in a given time, as her calf had got so old, before the trial was made, that it would not take to other cows; but I do not hesitate, to 10.—1814. b. m. Y. Minikin, by Gracchus, out of give it as my opinion, that twelve or fifteen pounds of butter, of the finest quality, can be made from 11.—1814. ch. m. Grand Duchess, by Gracchus, her, in one week, as she possesses, the power of secreting rich milk, in a greater degree, than any enough to satisfy you that as milkers, the Durham short horns, are not to be surpassed. The bulls are docile, and good feeders

These cattle, are hardy, and their value, can only be estimated, by him, who considers the time, it requires, to alter the form, and propensities of the animal, and the degree of perfection it may be brought to. I therefore think it a want of thorough knowledge of the animal, that makes any person object to the price of the Durham short horns. All my neighbours express then astonishment at viewing my cattle, and highly 19.—1816. b. m. hy Shylock, dam by Dragon.

approve of the selection.

I am, sir, your most obt. H. A. CARPENTER.

JOHN HARF POWEL, ESQ. Cor. Sec. of the Penn. Agrl. Society.

FOR THE AMERICAN FARMER.

THE STUD

OF A GENTLEMAN IN THE SOUTH OF VIRGINIA.

ton, got by Grouse, (son of Highfly-er out of Georgiana, own sister to Conductor, by Matchem), Magnet, sister to Johnoy by Matchem; Babra-ham; Partner; Bloody-Buttocks;

by Sir Thomas Gascoigne, got by Hambletonian; Golden Locks, by Delpini; Violet, by Shark; Quick's Charlotte, by Blank; Crab, &c.

Corresponding Secretary. 4 .- 1808. b. m. Philadelphia, bred by Mr. Dundas, member for Berkshire, got by Washington; Miss Totteridge, by Dungannon; Marcella, by Mambrino; Medëa, hy Sweetbriar; Angelica, by Snap; Regulus; Bartlett's Childers; Dam of the True Blues. Washington, by Sir Peter out of an own sister to Trumpator.

> Lynceus, by Buzzard; Rose by Sweetbriar; Merliton, by Snap; Miss Wind-

sor, by the Godolphin Arabian. expressed, bred by J. R. of R. Logania was dam of Sans-Culottes, by Celer. N B. Hyperion was by Diomed, out of Patsy Walthall, by Medley, (dam of Marske, Leepard, Bellerophon, Virginia &c)

8.—1813. gr. m. Miss Ryland, by Gracchus; Ductte, by Silvertail; Vanity, by Ce-ler; Mark-Anthony; Jolly Roger.

by San-Culottes; Minikin, by President, (son of Celer) Tristram Shandy, by Morton's Traveller, dam by

Minikin, See 9.

out of No 1.

12-1814. gr. f. own sister to No. 7.

animal I have ever seen. I expect that this, is 13 .- 1815. ch. f. Roanoka, by Florizel, dam Cornelia, by Chanticleer; Vanity, by Celer. See No. 8.

14.-1815. ch. m. Wildfire, by Gracchus; Everlasting, by S Culottes.
15.-1815. ch. m. Jenny Deans, by do. out of sis-

terto do,

16-1816. ch. m. Witch, sister to Wildfire, No. 14. 17-1816. b. m by Gracchus, out of No. 2. never broke or put to horse.

18 .- 1816. gr. m. Blue-Ruin, by do. dam Duette, See No. 8.

20.-1817. b. m Arch Duchess, by Sir Archy, out of No. 1. blind

21.-1817. b. c. Roanoke, by Sir Archy, out of No. 2 A finer horse, if possible, than his sire, 16 hands high.

No. Age.

22 .- 1818. ch. f. by Gracchus, out of Everlasting. See No. 14.

bon's dam. See stud book.

25.-1819. b. f. by do. dam by imported Chance; Jenima, by Phænomenon. See stud

26 .- 1819. bl. c. by do. out of No. 4. (Philadelphia.)

27.-1819. br. f. by Gracchus, out of No. 1.

28 .- 1819. br. f. by Sir Hal, out of No. 11. 29.—1819. ch. f. by Gracchus, out of sister to Everlasting. See No. 14:

30.—1819. gr. c. by ditto, dam by Sans-Culottes; Duette. See No. 8.

31 -1819, b. c. by Sir Archy, out of No. 10.

32.-1820. bl. c. by Bluster, (see stud book) out

of No. 4. (Philadelphia,)
33.—— bl. f. by ditto, out of No. 5. (Statira.)

35 .- b. f. by ditto, out of No. 6.

36 .- 1821. b. c. by Sir Archy, out of No. 8.

37. -- ch. f. by Sir Archy, out of Grand Duch-

ess. See No. 11.

b. f. by Sir Archy, out of Y. Minikin. See No. 10.

39, b. f. by Sir Archy, out of Lady Bunbury. See No. 2.

40 .-- ch. c. by Sir Archy, out of Frenzy. See No. 9

- b. c. by Sir Archy, out of Roanoka. See No. 13.

43. ch. c. by ditto, out of sister to Everlast-

ing. See No. 14. 44.—1822. b.f. by Ravenswood, out of Everlasting. See No. 14.

45.—— br. f. by ditto, out of sister to do. See No. 14.

46, 1823, b. f. by Roanoke, (21) out of Grand Dutchess, See No. 11.

47. b. f. by ditto, out of Y. Minikin. See

No. 10. b. f. by ditto, out of Shylock and Dra-gon mare. See No. 19.

- b. c. by ditto, out of Miss Ryland. See No. 8

b. f. by ditto, out of Y. Frenzy. See No. 9.

- br. c. by ditto, out of Miss Peylon. See No. 7.

- b. f. by ditto, out of Lady G. See No. 3. - b. f. by ditto, out of Philadelphia. See No 4.

54. b. c. by ditto, out of Witch. See No. 16 b. c. by ditto, out of Roanoke. N. B.

Roanoke covered nune but his owner's mares. 56. 1814. ch. c. Rob Roy, by Gracchus, ont of

57.-1815. durk br. c. Ravenswood, by Sir Harry, out of Duchess. (See No. 1.) on ly covered a few mares one season.

58.—1806. ch. h. Gracchus, by Dionied; Corne lia, by Chanticleer; Vanity, by Celer; Mark-Anthony; Jolly Roger. See No 8.

Minikin. See No. 10.

TO THE EDITOR OF THE AMERICAN FARMER.

DEAR SIR,

23.—1818. ch. f. Dumpling, by do.; Spot; Stirling; I do not think A Subscriber, has fairly, quoted the letter, to which he refers, in the last number of the Farmer. Whatever may be his surmises I do not think A Subscriber, has fairly, quotec Cockfighter) dam by Popinjay; Bour- his suspicions, or surprise, he will find, there is nothing, incongruous in the assertion, that a cow has "valuable properties as a milker, quick feeder, and small consumer." A writer styled Curwen, has explained the difficulty, which appears to startle him, to whom I would recal, an old adage "trust not to appearances,"-to a jaundiced eye, nothing can be fair. Deep milkers, it is acknowledged are generally great consumers. The term, deep, was not used, for it applies technically, to extraordinary quantities of milk. Quick feeding, conveys disposition, to become fat when dry, not to eating rapidly, or digesting hastity, as the gentleman who requires information, may comprehend. It is probable, Mr. M. never tasted, the Alderney cream, for although Alderney cattle, have been offered in the cow market, and have been distributed, for the last twenty years, in different parts of his state, it is rarely 34.—— ch. f. by Gracchus, out of No. 2. (Lady to be seen. If A Subscriber, refers to the re-Bunbury.) markable cream, "that when kept separate it came in five minutes" and that when "mixed with the cream of other cows" the Alderney butter "came first was taken out of the churn, the operation continued half an hour before a second gathering took place." I will answer that the cream of short horn cows cannot equal this.

VERITAS.

Lancaster county, Pennsylvania.

Strickland's survey of the East Riding of Yorkshire says, speaking of 'Short Horns' 'many in-- f. by Gracelius, out of dam of No. 23. deed may be found which give eight gallons - ch. c. by ditto, out of sister to Everlast - per day, and there are instances of a still greater quantity. The milk is also rich in quality, as there are instances of sixteen pounds of butter, eighteen ounces to the pound, equal to eighteen pounds of sixteen ounces being produced weekly from one cow, for several weeks after calving. Many bulls have latterly been purchased and hired into the East Riding at high prices from the neighbourhood of Darlington in the county of Durham, where a much superior breed of short horns are found, possessing all the perfections and qualities which are wanting in the Holderness breed.'

Bailey's survey of Durham, confirms this opinion so far by saying, that 'the Teeswater breed descended to the present time, in which were united the properties of feeding to great weight,

and being great milkers.'

FROM THE NEW ENGLAND FARMER.

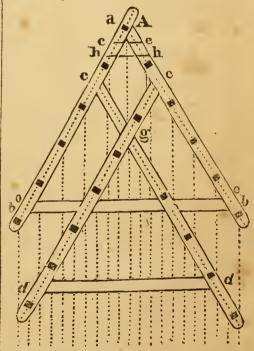
MR. ABBOT'S HARROW.

The drawing and description of the newly invented harrow, which we have published, this day, will, we believe, be found an acquisition to Lady Bunbury. (See No. 2) never the agriculturist. We have carefully perused the broke or covered a mare: very hand-descriptions, and drawings of English imple ments of the sort, as well as compared Mr. Abbot's with those now in use in American husbandry; and so far as we are able to judge, Mr. Abbot's is decidedly superior to any of them; its cheapness and the simplicity of its construction are not among the least of its merits, it is so broad, and as it were fortified by the position of its timbers, that it cannot fail to be very stron 59. 1810. b. c Oroonoko, by Hyperion, out of and durable. It will be observed that the teeti

me tract, and that the tracts are at equal distanes from each other, which are desirable things a the construction of harrow. Sir John Sinclair says that "teeth of harrows should eitler be round, or perhaps with a sharp edge, bent forward, like so many coulters, as they make them, selves cleaner than when they are square, or of my other shape, and work easier after the horses." We should believe, however, if the teeth were square, and set diagonally, so that one corner of each might go forward in the line of motion, that the harrow would be as easily drawn, and perform as good work, in ordinary cases, as u any shape which could be given them. If the ground be rough, the teeth of the harrow should be set standing a little backwards, so that they may not be so liable to catch or hang by roots, stones, &c. But when the ground is smooth, the teeth should slant a little forwards. The best way to fasten harrow teeth according to Dr. Deanc, is with shoulders under the harrow, and nuts screwed on above. A friend, however, has suggested that a better and cheaper way is to place strong slips of timber over the beams of the harrow so as to press on the heads of the teeth and confine those slips in that position by spikes, or iron pins, with screws.

Harrows of the construction abovementioned, are for sale at the Agricultural Establishment, No. 20, Merchant's Row, Boston.

Greenland, N. H. March 12, 1824. Sir,-It has not been in my power to send you the following plan and description of my Harrow before the present time.



This Harrow combines the following good properties. It is strong. It is less liable to be choked with sods or stones, than any other harow, which cuts the ground as finely and is in use in this country, or is described in any agricultural books, which have come to my knowledge. It is easily cleared, when choked. It is so well baanced, that it needs no additional weight to keep my part of it to the work; and it cuts all the ground over which it passes, at equal distances. cuts deeper into the ground than harrows, -hose teeth are placed nearer each other. It is are so placed that not any two of them move in an improvement on one which I invented in 1818;

and has been used by me, and many other per-smaller, and with a greater or less number of culated that with 34 trees to the acre, 500,000 sons in this and several other towns, since the teeth, according as the object for which it is despring of 1820. As its excellence, arises from signed, may require. form, it is important, that this should be carefully preserved. Some persons have adopted a mutilated form of it; and by shortening the inner beams, and inserting more teeth in the outer ones, have destroyed the proper balance of their harrows; and rendered them much more liable to be choked, than those are, which are made agreeably to the plan.

suitable handles answers an excellent purpose fifteen or twenty pounds of it, but it was all very beautiful in colour, and of excellent grainfor harrowing between the rows of corn, pota-toes, and other vegetables.

snatched up whilst I was engaged with the business of our society. I have bespoke some of seen and much admired it.

angle of an equilateral triangle; or in other words so, that the teeth at b and b may be at the same the several beams must be equal; but may be greater or less at pleasure. The distance beween the teeth in a field harrow may be a foot, But six or seven inches, is sufficient for the disthe ground by the teeth, will be only one quarter as great, as the distance between the teeth in the The hindmost teeth in the harrow, that are used between the rows of corn should be made so, as to be fastened by a screw and nut at top, so that they may be taken out, if necessary, to accommodate the harrow to narrower spaces in the latter stages of cultivation.—The inner beams should each be parallel to one of the outer ones, and tenoned into the other at r, so, that the line, in which the teeth are inserted into them, may intersect the line of the teeth in the outer beams exactly in the midst, between the 2d, and 3d. teeth from the foremost one. Let the inner beams be halved together at g, where they intersect each other. From the point c, where the line, in which the teeth are inserted in the inner beams, intersects the line of the teeth in the outer ones, set off on one of the inner beams, at the distance of the teeth in the outer beams, as lead, when committed to paper, are found to be many places for teeth, as there are teeth in too long for convenient insertion—we postpone either of the outer ones; and on the other one therefore the note on this point, until our next.] mark the same spaces; but do not insert teeth in the two forward places. Let a bar oo, of suitable width and an inch or more in thickness, be passed through all the beams immediately be fore the hindmost teeth in the outer beams, and

Your obedient servant,

EPHRAIM ABBOT.

D. Charles

EXTRACT TO THE EDITOR.

Dated Washington, March 6, 1824. DEAR SIR,

this spring's making, which I shall send you. To form this harrow, let the outer beams be but-We are all alive here about the fate of the ted together at A, so as to form with each other an Tariff Bill, now before Congress, There is not the slightest doubt amongst us, either as to the expediency or constitutionality of an increase of demands the early attention of the agriculturist, distance from each other, that they are from the duties. It is somewhat singular to remark the is the great destruction made among the sugar tooth at a. The distances between the teeth in different aspects in which the same object will trees, by cutting them with an axe, instead of present itself to different individuals. We have tapping them in a proper manner. It would aphere the consolation that no change can place us in pear that those who thus destroy them, do not a much worse situation than we are. No arti-look forward and see what the consequences will cle from our farms will bear transportation to be in a few years. But six or seven inches, is sumcient for the distance between the teeth in a harrow designed to be used between the rows of corn and other verificar they will not pay well.—We have had quite manner of tapping the sugar tree, which, I hope, a mild winter—the medium heat for Jan. was 3910 will be widely circulated, that it may supercede for February, $33\frac{1}{10}$ at 12 oclock. I have no the barbarous use made of the axe in tapping doubt but a thermometrical table* would be a them; and, in my opinion, it is preferable to very desirable article to many of the readers of boring them. I am informed it is used almost the Farmer. The subject has a close connexion exclusively in the state of Kentucky.—It is this: with husbandry, and might be highly serviceable to foreigners who contemplate settling in our dig a hole large enough to set the vessel in, which country. A table might be so arranged, as to is designed to catch the sap: saw off the end of shew at one view, the different degrees of tempe- the root, and it is accomplished. It is asserted rature in five or six places in the United States, that the sap will run more freely this way, than and not occupy more than two pages of your pa- by any other way yet discovered. per. Should you think proper to publish such a table, I should with much pleasure furnish you of tapping trees, is this; the sap can be shelterwith the necessary notes; as one of my sons ed from animals, and from leaves and dirt, by makes regular notes three times a day-also of placing a board over the hole. I hope farmers the wet days, and some other observations.

ALEXANDER REED.

* [The reflections to which this suggestion Edit. Am. Far.

Notes on the preceding .- By the Editor.

extensive region of country congenial to the given in our last of an operation performed by behind the third place of the teeth in the inner growth of the sugar maple, are not aware, probeams. If it be of suitable width and properly bably, of the treasure they possess in that very inscreed, it will not interfere with the places de-beantiful and majestic native tree of the Amerisigned for the teeth. Let a similar bar be pass- can forests .- Imperfect as were the returns from he died 1599; his statue stands in the Anatomy ed through the inner beams, between the two only eight of the twenty six districts in which hindmost teeth, at d d Fasten the two onter maple sugar was manufactured, in 1810, while they wrote a treatise in Latin, called Chirurgia beams, where they are butted together by a show the manufacture of nearly 10,000,000 of lbs, in which he teaches the art of engrafting noses, trennel at e, and at a little distance behind the in that year.—The State of Ohio alone manufac- ears, lips, &c. Many are of opinion that he trennel insert an iron bolt at h to receive the tured more than 3,000,000 pounds—many fami-hook of the chain, by which the harrow is to be drawn. Let the tenons and the bars be suitably pinned; and let the teeth be inserted in the pla-should, instead of importing produce more than doctring for the constitution of the pla-should, instead of importing produce more than doctring for let the same supporting support ces designed for them. For scarrifying ground doubte the quantity necessary for the consump-not ploughed, teeth made flat and sharp like the tion of the United States.—The time devoted to great anatomist Vesalius; and Ambr. Pareus

acres, which is less than some single counties in the United States, would yield a supply for the whole of our consumption, as the population stood in 1810; or that a tract of 2,000,000 acres. whereof three fourths might be cleared for the plough, would have then sufficed, or say double that for our present population, making not more than one-seventh of the land of New York or Pennsylvania .- In the returns before referred to, we trace the manufacture of maple sugar from Joists 3½ inches square, or 3½ by 4 of oak, or 4 on the square of elm, will be sufficiently large for the beams of a common field harrow to be drawn by two horses. A harrow made on this plan, having its teeth sufficiently near, and having

> [A writer in a late western paper makes the following remarks, which it may be of use to add.]

> Another subject of much regret, and one which

About one of the small roots of the sugar tree,

Among the advantages attending this manner generally, will make a proper application of this important improvement.

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MISCELLANEOUS EXTRACTS

From late numbers of the London Farmers' Journal, received at the office of the American Farmer.

Nose-Making .- The following account of Ta-The people of the United States within the liacotius may be amusing after the description Mr. Travers, of St. Thomas' Hospital.

Gasper Taliacotius, was born at Bononia, 1553, and was Professor of Physic and Surgery there; wrote a treatise in Latin, called Chirurgia Nota, not ploughed, teeth made hat and sharp five the tion of the Onted States—The time devoted to great anatomist vesatus; and Amor. Pareus coulter of a plough, and inserted so, that their sharp edge may be drawn directly forwards, are better than the square teeth, which are commonly used.—It must be obvious to every one, who considers the principles on which this harpounds of sugar in a season—forty trees frequent ly stand on an acre of land, and it has been calproved from authorities not to be contested, so

that it is a most surprising thing that few or no should have since attempted to imitate so worth and excellent a pattern. Dr. Fludd, a Rosecrucian Philosopher and Physician, informs us of a Nobleman in Italy, who lost part of his nose in a duel; he was advised by one of his physicians to take one of his slaves, and to make a wound his freedom and a reward, to consent to the exand a piece of flesh was cut out of the slave's arm, warded and set free, went to Naples, where he fell sick and died; at the same instant a gangrene appeared on the nobleman's nose; upon which ing white pine for endurance or fuel. that part of the nose which belonged to the dead man's arm was, on the advice of his physician, cut off, and, being encouraged by the above mentioned experiment, he was prevailed upon to have his own arm wounded in like manner, and to apply it to the remainder of his nose, which he did; with him till his death.—[See Notes to Hudi-bras; and Sir Kenelm Digby's Discourse concerning the Power of Sympathy, 1660, page 115.]

The following, from an Evening Paper, is an extract of a letter from Mr. R. Gourlay to Mr. Cobbeit:-

The acacia, like the ash, tender in its bud, unfolds slowly and late. It is not in full leaf till June, and throughout June, while young, continues to push out plume over plume. It is then the very queen of slender trees; but let us not say

You are making a job of public credulity. You have astounded Johnny Bull, and would even persuade that he might feed on locusts like John the Baptist. Good-natured John will re Your locusts have prickles when they are young; and when old will certainly fall short of expec

about pigs and Swedish turnips; when you boasted that you had done the western world infinite service, by routing out the "long-eared, long-"nosed, long-legged, long-backed, pot-bellied pigs," with your superior breed, though, in fact, the Americans had thousands of pigs as good as yours. It is also true, that though you succeeded one year with Swedish turnips, you failed at last from the dry and parching nature of the climate, which is ill adapted for turnips of any sort. In America every body came to see that both your pigs and turnips were got up only for sale, like Peter Pindar's razors; and so it will be, ere long, in England, with your American

Climate and soil every where affect trees and fruit-make some of the same species superior in America, and now in England. Change, it

At Montreal there are famous sorts, which were brought from France; and these bear still more luscious fruit on the banks of Detroit river, 600 miles farther to the south-west, where the larch is excellent wood; in Canada, where it is indigenous, it is a puny tree, and good for little. in his arm, and to join the little remainder of his In America, the acacia may yield timber hard nose to the wounded arm of the slave, and to and tough; in England soft and brittle. The continue it there for some time, till the flesh of fact that it grows rapidly, and flowers when the arm was united to his nose. The nobleman young in England, is a symptom that it will not prevailed on one of his slaves, on the promise of prove durable when put to use. The Scotch fir, which you call villanous-no doubt because you periment, by which the double flesh was united, hate every thing Scotch-is, upon the whole, the most universally useful tree, whether as a nurse for others, or of itself. It is the pine hewn which was so managed by a skilful surgeon as to for others, or of itself. It is the vine hewn serve for a natural nose. The slave being re- on the Norwegian hills for masts to the tall admiral; and it is the yellow pitch pine of Canada, one of which is worth a dozen of the prevail-

They only who have read your writings, on both sides of the Atlantic, can fully appreciate your merits as a quack. As I know them well, I am disposed, on this occasion, to expose them solely for public good, assuring you that I am DEAR SIR, extremely sorry for it. Were you but to use Having re-

ROBERT GOURLAY.

DEATH OF LORD ERSKINE .- The melancholy intelligence of the death of this distinguished lawyer and patriot reached town on Friday morning. He died on Monday evening at Almondale, the result so liable to be influenced by innumerasix or seven miles from Edinburgh, of an inflammation in the chest. The news of the event is more afflicting to his friends, because the general ing appearances are often blasted in a few hours, health of Lord Erskine was such, that, but for and hope extinguished becomes revived in a this acute disease, to which the young are equally subject with the old, he must have in all probability, reached an extreme old age. Erskine was remarkable for a vigour uncommon at his time of life, and for an elasticity of spirits, collect that the other had honey with his locusts. which made him the delight of all with whom he Your locusts have prickles when they are young; came in contact. Lord Erskine had been twice before ill of the complaint which has now proved than perhaps was ever known, and the ultimate tation. When old and unpruned they get naked, fatal to him—in 1807 and 1819. His recovery at ragged and wretched looking; while for posts, I the last of these periods was deemed impossible, would prefer the yew. I have travelled through but his extraordinary stamina bore him out against Canada, and thence, repeatedly, by various routs the expectation of his physicians. Almondale was to New York, but never saw the locust indige-the seat, and is now the residence of the family nous, though it is often planted there in gardens, of the late Hon. Heory Erskine, the brother of and round houses for ornament as in England, and Lord Erskine, whose reputation at the Scotch is probable,) there seems to be no reason to desfor which it is here to be found in every nurse-bar, and in Scotch society, almost equalled that ryman's possession. In the southern parts of of his noble brother. Lord Erskine was 75 years Pennsylvania I have been told it grows indige- of age; he was raised to the peerage and the

Editorial Correspondence.

" In truth the farmers of the exclusively grain "growing states, are suffering under their accu-mulated crops of grain, and view the tariff bill "as the means of promoting home consumption "in this country, as the same system has done in "every other country. I was delighted to see "your extracts from an unpublished pamphlet "on the subject of Tobacco.—The argument is burned for the chinch "conclusive, and applies with equal force to the "articles of cotton and grain."

Extract, dated Pittsburg, 31st March, 1824. You may rest assured, that whatever southern in America, and now in England. Change, it planters may apprehend from the new tariff, was sown in rye, the rye growing in that portion self, will often, for a time, produce most striking Pennsylvania farmers, and those of the western of the ground which had produced the millet, consequences. Many of the best American Ap states, look to it as the only certain means of se- was totally consumed by the bug, while the other ple trees were carried from Europe originally, curing their prosperity, and that of the Union. | part among the corn remained untouched! The

REPORT FOR THE MONTH OF MARCH. Of agricultural appearances and prospects in Shenandoah valley.

t would be of much service to our readers if all our correspondents would follow the good example of Mr. Turner, in taking occasion, when writing to us on other business, to give a general view of the effects of the season, and the prospects of various crops in their section of country, at the time of writing; we shall endeavour to digest a plan that will secure us regular reports of this sort, unless we are deceived in the co-operation of certain publick spirited citizens, on whom we can rely for this good service to the common cause, Mr. Turner's letter was not written for publication, but we know he will not object, finding it as we do, containing interesting remarks, and offering as it does, an appropriate opport unity to throw out the hints which it has here suggested.] Ed. Am. Far.

AGRICULTURAL REPORT. March 29th, 1824.

Having received the last number of the 5th vol. of the American Farmer, I herewith, with great pleasure send \$5 in advance, for the 6th vol. as the "best proof I can give of my approbation of your labours," and I sincerely hope the work will receive a continued and increasing patronage, commensurate with its intrinsic merit and usefulness. With respect to our agricultural prospects, they are now so fluctuating and transitory, and ble casualties, that they ought never to be spoken of, but with extreme diffidence; the most flattermanner equally miraculous. I can therefore only venture to say that our crops of small grain, (in consequence of a dry, cold autumn, very unfavorable for vegetation,) appear much more unpromising than usual; the month of January was mild and favorable, but the last six or eight weeks have been the reverse: there has been less snow thawing and freezing by day and by night, has caused a good deal to be cast out of the earth. Nevertheless, our crops are at this time improving fast, they exhibit a pretty uniform appearance, though unusually backward in growth; and should they escape the ravages of insects, (which pair of a good harvest; our soil is vigorous, and notwithstanding the multiplied accidents to which we are liable, the judicious farmer seldom fails Chancellorship in 1806, and retired from the of a reasonable remuneration for his labour.

I was in America when you raised the wonder woolsack in the following year.

Last summer for the first time, the chinch bug Last summer for the first time, the chinch bug appeared among us; its attack on our corn was formidable, and I believe would have been fatal if it had not been for the irresistible counteraction of frequent showers, affording the best season for that noble plant, ever experienced .- I gathered from 95 acres, 4715 bushels, and finished housing it the 15th of November, the best crop of corn I have ever made.-It was in some degree, though not materially, injured by the bug. I have a surplus of about 2500 bushels, which I bug, a fact occurred, which I deem worthy of communicating-a lot of ground near my dwelling, containing about four acres, was planted, one half in seven or eight varieties of Indian corn, the remainder sowed in millet.—In September the millet being harvested, the whole first of these odious insects I ever saw, was detected in a parcel of Pickering millet growing in my garden, from the small parcel of seed you were good enough to send me last spring-this was destroyed-but among the millet growing 'n other parts of the farm, I never discovered any of them .- I am very anxious to improve my stock of every kind, particularly hogs-the low price of beef has caused most of our farmers to abandon grazing, which I deem a fortunate circumstance, being convinced that our farmers have been much injured, and all our stock greatly impoverished thereby. Your's, &c.

H. S. TURNER.

TO THE EDITOR OF THE AMERICAN FARMER.

Mallet, of Louisiana, who has succeeded in raisnear the river Amité. Mr. William Young Lewis, gave his name at our request; and of whom, we in Baltimore, will on application, procure seed enough for Mr. Seabrook to make a trial in South lars in imported stock, has given away more anihannah, ditto, \$5 35, to \$5 37\frac{1}{2}, cash—Howard-Carolina. There is every reason to believe that the United States, is as favourable as China for various counties, and has never allowed a charge the cultivation of the Tea. But cannot the labour to be made; although recently he has directed \$1 10, to \$1 1.—Rve, 40 cts.—Barley, 60 to 55 counts.—Barley, 60 to 55 counts.

cellent substitute for Bohea Tea, and when the been distributed at some Cattle Shows. leaves are picked with care in May, and dried on iron plates, suspended over a fire, until they become dry and shrivelled, make so good a counter- or numbers of the 6th vol. and who have discon- per pound, 24 to 27 cents-ditto Eastern Tan, feit tea, as to deceive the best judges.

I cannot furnish the address of Mr. Mallet, to turn the numbers so received to the Editor. enable you to apply to him by letter.

Yours, &cc. April 6, 1824.

0 000 IMPORTANT TO NURSES.

Mount Holly, (N. J.) March 17.

It should be generally known that Laudanum, by long standing deposites a sediment which renders it dangerous. Many valuable lives have been lost from ignorance of this fact. On the 12th inst, would have been in a pitiable plight. num had been given, three or four hours before, murders, but the news papers had huffed the On examination, the phial was found to contain case—and by such means, thousands might be a torpid fluid, no doubt many times stronger than collected to see a man swallow the Battle Monuclear Laudanum. The child appeared in the ment in Washington Square. It is said that sixty agonies of death-oppressed with irresistible thousand of men, women and children (some sleep—emetics would not operate; but by the sacking infants) collected to see the man hung, prompt introduction of an elastic tube into the and great would have been the disappointment stomach, and the use of a syringe and warm water, its contents were completely washed out. In been gratified—such is poor human nature, a short time the infant was much relieved; and These fruitful topicks will be hammered out and in the course of a few hours quite restored.

Receipt to defend the roof of a house from the they know how to manage these matters. weather and from fire.

"Take one measure of fine sand, two measures of wood ashes well sifted, three of slackened tite of the quid nuncs, and moreover that they lim ground up with oil; laid on with a painter's may appreciate their own loss, from our want of brush; first coat thin, and second thick.

wheres so strongly to the board, that it resists York paper on our table-here goes-a dozen an iron tool, and put thick on a shingle resists new banks chartered at Albany, and for as many the operation of fire. I used only a part of more, nothing is wanting but to ask—very wise the mixture-what remains in an iron pot; noticy !- Pirates numerous and during about the

THE PARMER.

BALTIMORE, FRIDAY, APRIL 9, 1824.

to whom a subscriber in our last, has directed his enquiry in regard to the milking properties of lon. 48, 30, prodignous!—The corner stone of a We are requested to state that the person Short Horns, is prepared to answer conclusively village church laid, and a parson Onder Donk any letter on this subject, which, by a gentleman, may be sent to him.

In the mean time, the correspondence which will be found in another part of this paper, between the Corresponding Secretary of the Penn sylvania Agricultural Society, and Mr. H. A. Carpenter, who is known to us as a well judging farmer, residing, too, in Lancaster-a county proverbial for its excellent cows of native stock, is You can procure seed of the tea shrub of Mr. ties of the Improved Short Horns, as milkers."

G. W. Crane, he expired on the spot, without laster, of Louisiana, who has succeeded in raise. In short, it fully corroborates what has been said ing it to a considerable extent. His plantation is in their behalf by the gentleman referred to, who provocation is not stated to us, of New Orleans, who was formerly a merchant may here add, as of our own knowledge, that he has expended more than twenty five hundred dolof our citizens be more profitably bestowed than that a fee should be required for the services of cents-Oats, 22 to 25 cents-Potatoes, very plenin the raising of this shrub? The operation of picking, rolling and twisting the leaves must be ety,—and the pages of this journal show, that he has relinquished for similar uses, premiums he have the cellent substitute for Robert Ten and when the cellent substitute for Robert Ten and the pages of this journal show, that \$10-cargo, No 1, \$8, to \$8.50-ditto No. 2, \$6-Baltimore priore, ditto \$10-Bacon and have the cellent substitute for Robert Ten and when the cellent substitute for Robert Ten and the pages of this journal show, that \$10-cargo, No 1, \$6.00 to \$10-cargo, No 1,

The report of the Committee on Agriculture, in Congress, will appear in our next—with the introductory remarks of Hamilton, no inconvenience can result, as it has been widely circulated 45 to 47 cents per bushel-Lisbon ditto, 45 in various forms.

of this article—the miracle affair is getting stale, and if it had not been for the hanging fa misera-ble culprit in New York, editors of newspapers are cl-Turks Island, 52 cents per bushel. Prices of Seed.—Otchard Grass per bushel, would have been in a pitiable plight.

of the multitude, if their anticipations had not elongated until an arrival from Liverpool comes in to their relief, and then the Editors will let them pass into oblivion like other nine day's wonders-

That our readers may have some idea of the desperate shifts to which professional news Ed tors are driven to satisfy the ever craving appe talents for, and attention to such things, we give British schooner Renegade, Licut. Fireat, said &c. &c.

to be half crazy, off the Stir-up Key; he'll be apt to go to Key West-A Bank in another state has declared a dividend of 3 per cent, vastly important! A Mr. Ogden appointed Solicitor General in Upper Canada, highly important! Capt. rous name and a wonderful event !- a great many caucuses held all over the country of all grades and sizes-in which selfishness, ambition and the hope of gain and power, have had no concernall for the good of the people!!! Presidents and Secretaries, from sheer modesty, have kept their names out of view.

Charles L. Dougherty, known in this place,

PRICES CURRENT-CORRECTED WEEKLY.

Wharf flour, \$5 50, 4 months credit-Susque-8 to 12 cents-Glass, Hamburgh, 10 by 12, 811 50 to \$13-Baltimore 8 by 10, \$6 to \$8-Lime, All persons who have received a number per bushel, 30 to 33 cents-Leather, Seal, host, tinued their su'scription, will be expected to return the numbers so received to the Editor.

18 to 20 cents per bushel—Meal, Corn, kiln dried, per barrel, \$2 50—Tar, per barrel, \$1 for \$20 cents per bushel—Meal, Corn, kiln dried, per barrel, \$2 50—Tar, per barrel, \$1 for \$20 cents per bushel—Meal, Corn, kiln dried, per barrel, \$2 50—Tar, per barrel, \$1 for \$20 cents per bushel—Meal, Corn, kiln dried, per barrel, \$2 50—Tar, per barrel, \$1 for \$20 cents per bushel—Meal, Corn, kiln dried, per barrel, \$2 50—Tar, per barrel, \$1 for \$20 cents per bushel—Meal, Corn, kiln dried, per barrel, \$2 50—Tar, per barrel, \$1 for \$20 cents per bushel—Meal, Corn, kiln dried, per barrel, \$2 50—Tar, per barrel, \$1 for \$20 cents per bushel—Meal, Corn, kiln dried, per barrel, \$2 50—Tar, per barrel, \$1 for \$20 cents per bushel—Meal, Corn, kiln dried, per barrel, \$2 50—Tar, per barrel, \$1 for \$20 cents per bushel—Meal, Corn, kiln dried, per barrel, \$2 50—Tar, per barrel, \$1 for \$20 cents per bushel—Meal, Corn, kiln dried, per barrel, \$2 50—Tar, per barrel, \$1 for \$20 cents per bushel—Meal, Corn, kiln dried, per barrel, \$2 50—Tar, per barrel, \$1 for \$20 cents per barrel, \$2 50 cents per b ditto, \$2 50-Rosin, \$1 50-Spirits Turpentine, per gallon, 45 cents-Rice, fresh, per cwt., \$2 75-Salt, St. Uhes, per bushel, cargo prices, cents per bushel-Cadiz, ditto 40 cents per bush-ITEMS OF NEWS - There is a total dearth el-Liverpool, ditto, blown, 50 to 52 cents per bushel-Ground, ditto, 50 to 55 cents per bush-

Dr. Cox, of Black Horse, was called to an infant of the reason of the first and the four months old, to whom four drops of Lauda-beyond other vicious, cold blooded, unprovoked in this market—Red Clover, per bushel, \$5.50—num had been given, three or four hours before, murders, but the news papers had puffed the Timothy, do. do. \$4—Herds Grass, do. \$2—Millet, do. \$1—Lucerne, per lb , 50 cents—Mangel Wurtzel, per pound, \$1 50—Ruta Baga, per lb.

There is no material change in the price of commodities usually reported in the American Farmer, since last week -Of Tobacco, the warehouses are full, and the demand very limited.

Improved breed of Stock.

For sale, one bull 18 months old, and one cow with her first calf-all of the celebrated Devon and Bakewell breeds, mixed. If the immediate application be made, the bull can be had for \$20, the cow for \$25. Enquire of the Editor.

CONTENTS OF THIS NUMBER.
Natural History of the Rabbit, and construction of Rabbit Warrens-Account of Smithfield Club Cattle Show, with weight of extraordinary sheep and cattle—Weight of cat-tle slaughtered in the Baltimore market—Short Horns, and I painted on a board with this mixture, and it them an abstract of the items in the last New their valuable properties as milkers—Stud of a gentleman liberes so strongly to the board, that it resists i from tool, and put thick on a shingle resists new banks chartered at Albany, and for as many rites—Form and advantages of Abbot's Harrow—Sugar of operation of fire. I used only a part of more, nothing is wanting but to ask—very voice. cultural Report for the mouth of March—Where the Tea Shrub may be produced—Important to Nurses—Recipe to waster has lain on the mixture for some time (Isle of Pines—they'll soon be settled by a draught defend the roof of a house from weather and fire—Falico en without penetrating the substance which is as of Porter—brig from Philadelphia, attacked by notices—Items of News—Prices Current—Advertisement,

AGRICULTURE.

THE CLIMATE OF THE U. STATES,

AS CONNECTED WITH ITS AGRICULTURE.

The suggestion of Mr. Reed, of Washington, Pennsylvania, published in our last, wherein he recommends the procurement of meteorological information from different parts of the Union, is too important to be lost sight of; and we flatter our selves that we could at once designate amongst our correspondents, many who would take pleasure in furnishing the requisite memoranda for the purposes indicated.

From these memoranda, quarterly or annual tables may be framed, which will afford at one glance a view of the climate of the United States and answer as a guide to monied men who are going to make investments in land, if not for themselves, as an appreciating fund for their children; and the worthy emigrant too, could, by these data choose the climate best adapted to his constitution, and to the growth and developemen of such animals or vegetables-or to the establish ments of such manufactories, &c. as he might wish to introduce and prosecute For, though it is admitted that, to a great extent, the produc tions of the vegetable and animal kingdom in one climate, may be naturalized in a very different out; experience teaches that this process requires much time, and that when the transition is sudden, destruction both of animal and of vegetable existence often ensues the experiment Even man, the only native of every clime, cannot individually endure the shock of too sudden trans posit on, he often expires before he gets seasonea

science, in its rapid progress has invented various instruments unknown to our predecessors, equally curious and valuable-amongst these the principal ones are, the barometer, the thermometer,

the pluviameter, and the hygrometer.

It is the province of the Barometer to shew the density of the atmosphere, and thereby enable us to foretel a change in the weather, more especially when the change about to ensue is to be very considerable.

The THERMOMETER, indicates the degree of heat at any given hour of every day, and the PLUVIAMETER, or rain gauge, she ws the quant ty of that fluid which has fallen in any given period of time.

terials quickly affected with dampness; and to these may be added an account of the prevailing winds, and the state of the weather, whether fair, cloudy, rainy, or snowy.

Ou urpose would be answered however, by regular monthly returns from a given point in eac state, of the Trermometer and Rain gauge, but we would suggest that important information and interesting results might be obtained, by adding to the average monthly heat and fall of water, in each state, what might be called an Herbal table; to show the time of planting, sowing, leaf ing, ripening, &c. of various vegetables, grains, fruits, &c.

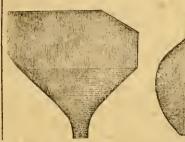
Every farmer should register these things, were it only for his amusement; or rather he should make it the amusement of his sons, as Mr. Reed does, to keep such tables—and in this coun

"From whose wide fields, unbounded autumn pours A golden tide into his swelling stores, Even unt all these in one rich lot combined, Can make the happy man, without the mind; Where judgment sits clear-sighted, and surveys The chain of reason with uncering gaze; Where fancy lives, and to the brightening eyes, His fairer scenes, and holder figures rise; Where social Love exerts her soft command, And plays the passions with a tender hand, Whence every virtue flows, in rival strife, And all the moral harmony of life."

In a word, let bachelors be assured that after all "flower of lleeting life, its lustre and perfume, and we are weeds without them."

To return to our subject, a Farenheit's Therapparatus of 3 parts as follows:

"A Pluviameter consists of three parts—1. A



To ascertain the nature of the climate, modern perfect square of twelve inches, and therefore its superficial contents will be 144 inches; the depth of the tunnel may be six inches deeper perhaps than is necessary for rain, but not for snow; its shaft, which is to be fitted to the mouth of the receiver, and inserted into it, must be of the same form, circular, and may be or any length, so as to give steadmess to the apparatus, for instance, six or eight inches, or more; -and 2, A gauge Fig. 3. (see Fig. 3),





The HYGROMETER, ascertains the degree of which is a tube of tin, made so as to be dipped moisture, and is made of sponge, or other ma- into the receiver, or to have the water of the receiver poured into it, and to contain a proportional part of one inch depth of the superficial con-tents of the tunnel. Hence the gauge being a parallelopipedon, may be of the following dimensions: let its base be one inch and a half square, and its length four inches; then will it contain $1\frac{1}{2}$ $\frac{1}{2} \times 4 = 9$ cubic inches, or $\frac{1}{16}$ of 144 inches, that is, $\frac{1}{16}$ of one inch depth of the tunnel; and therefore the gauge filled sixteen times, will measure one inch depth of rain. If the base of the gauge he one inch square, its length may be three, four, six, or twelve inches, as is most convenient; if it be three inchesit will contain three cubic inches, or $\frac{1}{18}$ of 144 inches, that is, $\frac{1}{18}$ of one inch depth of the tunnel, and therefore must unchanged. be filled 48 times, to measure one inch depth of rain: if the gauge is four inches long, it must be try, where provisions are so *sufer*-abundant, and filled 36 times, because 4+36=144: if it is six no lack of fine girls; we take it for granted that inches long, it must be filled 24 times, because out his sons-to share in his toils, to participate be filled only 12 times because 12 < 12 = 144 his improvement were: in his studies and amusements, and to heighten In general, the solid contents of one inch depth 1st. To give a fine colour to the flax. every social and domestic pleasure; for though upon the mouth of the tunnel, must be a multiple 2nd. To be able to know precisely, without a friends he never so numerous, his cellars stored of the solid contents of the gauge; I say one inchi with his generous wines, with patrimonial lands—| defith, because that is the standard by which the

quantity of rain is measured which falls in different parts of the world. Different dimensions might be given, both for the tunnel and for the gauge, but it is presumed the above are sufficient for the purpose required.

The method of using the pluviameter is, to place the receiver in some convenient open spot, in which there is reason to suppose as much rain falls as does in general in the neighbourhood, and not more: let the tunnel be fixed into the mouth of the receiver, so that they may stand perfectly steady and level; then with the gauge, measure tis conjugal love and children, which give to the the rain in the receiver as often as is necessary, taking care to note the quantity from a fixed hour and day in the year, to the same hour and day in the next year. There will be some trouble in the mometer may be bought for 5 dollars, and the rain winter, and great care will be necessary to collect gauge may be easily constructed, consisting of an the water from the snow, so as to retain the whole

All we should want would be the average rereceiver (see Fig. 1), which may be a large earth- sult of monthly minutes, to exhibit the monthly en pot :- 2. A tin tunnel (Fig. 2), whose top is a fall of rain and degree of heat, in the eastern, middle, and southern atlantic, and in some of the states beyond the ridge of the Allegany mountains. We hereafter shall give the meteorological observations for the last year made in the vicinity of Baltimore, whereby the reader will clearly see the usual tabular form of such observations, and the one in which they may be presented for the purposes and with the advantages to which we have been very briefly adverting.

NEW AND APPROVED METHOD OF STEEPING FLAX, As practised in Flanders.

-0-

[Much has been said lately, in Congress and out of it, on the comparative excellence of flax and hemp of toreign and American growth.

The beauty and strength of the fibre, is admitted on all hands, to depend chiefly on the manner of wretting it-and that process is perhaps no where so well understood as in Flanders.-Indeed, the general husbandry of that country is considered so superior, that the Board of Agriculture in England, offered very liberal premiums for the best detail of it; and the Report of the Rev. Thomas Radcliffe, furnishes every thing that well directed observations and clear and judicious arrangement of them, could give us. The new and improved method of steeping flax.

did not escape his attention, and we shall doubtless make to our readers an acceptable offering by giving his keport on that subject, as follows.] Edit. Am. Far.

New Method of Steeping Flax. The Inventor is Mr. J. E. D'Hont D'Arcy, Member of the Agricultural Society of Ghent. In the year 1813, he called for a Commission of Inspection, which was granted by the Govern-

The Commissioners appointed by the Prefect of the Department were, a linen merchant, a

At this period the inventor conceived that a change of water was necessary, and the experiments were made accordingly. He is now of opinion that stagnant water is the most efficacious, but in every other respect his process is

The Report of the Commissioners, in its chief points, is as follows:

"That on the 9th of August, 1813, they reno lack of fine girls; we take it for granted that inches long, it must be filled 24 times, because paired to the place appointed; and were informno spilled owner of a farm will remain long with 6+24 - 144; and if it is 12 inches long, it must be downer of a farm will remain long with

possibility of mistake, the moment the flax should be sufficiently steeped.

the flax.

4th. To effect a saving of the material in scutch ing and hackling, of more than 10 per cent. 5th. To preserve the waters and air from infec tion, and the fish from being destroyed.

That they commenced their observations by inspecting the steeping pool of two rods long by one wide*, add six feet deep; taking in the water at one side, and letting it nut at the other.

flax from floating on the surface.

water let off from the pool: that it was extreme- D'Arcy by its superior whiteness. ly black, but the smell less strong than that occa-

fresh water let in.

was drawn off, less discoloured than the former; with a more disagreeable odour, but not so much as by the old method; that on the 17th the flax, no longer touching the transverse wood upon the surface of the water, descended naturally to the bottom, a certain indication of its being sufficiently steeped; that the water was let off, still a little discoloured, but without any disagreeable odour. That the flax was then taken out, spread verse sticks, with that degree of weight annexupon a meadow, and handled in the usual way. That after its having remained there a fortnight, they returned and took a bundle, weighing six kilogrammes 66 grammes. That they brought

Sily. By leaving at first a space of at least steeping pools are generally as full as possible. den, near Ghent, who declared to them that he the flax. had sold to Mr. D'Hont D'Arcy, the half of a piece on the foot, equal to that which he shewed vals. to them, and which had been steeped in his farm, He states that the improvement suggested was according to the old routine. That they took a not carried into effect by the Minister to whom bundle of this flax, and adjusted it to the precise the report was made, hecause in a few months afweight of the other, viz: 5 kilogrammes 66 terwards the Imperial Government ceased to exgrammes, and had both bundles broken and list, and Belgium was separated from France; but scutched; that the bundle of Mr. D'Hont D'Arthat during the interval he has occupied himself cy yielded one kilogramme 420 grammes; that in such experiments as induce him to think, that of Mr. Devos, one kilogramme 300 grammes, by increasing the dimensions of the pools, so as That therefore upon the scutching there was a to double the usual quantity of water in proportion of 120 grammes. That then they had the two bundles hackled separately, that that of Mr. D'Hont D'Arcy, which weighed one kilogramme with, and that in fact a strong and well regulated 420 grammes, yielded 870 grammes of that and putrefaction is interposed, silky and fine, as by these means that of Mr when dressed, silky and fine, as by these means the putrefaction, or an equal putrefaction which cannot be obtained by a change of water. That besides the difference of temporal putrefaction which cannot be obtained by a change of water. That besides the difference of temporal putrefaction is multipleased to the mass, or the interior of the bundles, an equal putrefaction, or an equal putrefaction which cannot be obtained by a change of twelve the putrefaction of the mass, or the interior of the bundles, an equal putrefaction, or an equal putrefaction which cannot be obtained by a change of the bundles, an equal putrefaction, or an equal putrefaction, or an equal putrefaction of the bundles, an equal putrefaction, or an equal putrefaction of the bundles, and white bundles, and white bundles, and which cannot be produced. That besides the difference of temporal putrefaction of the bundles, and the bundles, and white bundles, and white bundles, and the 430 grammes of tow, in all one kilogramme 130 perature towards the surface, being in proportion grammes—waste 170 grammes. That therefore to the length of time the water has been in stagnation builded of Mr. D'Arcy having had but 130 grammes of waste, and that of Mr. Devosition, the heads of the flax, by their vertical position, will the better acquire the necessary too 170, an advantage of 40 grammes appears in favour of the new process. And as in the hack-ling a saving having been found of ten grammes, of the plant, which resists much less the action of the tow of Mr. D'Hont D'Arcy's parcel being degree of its submersion, in a temperature process. but 420 grammes, and that of the other 430) the portionably weaker, is never too much rotted or total advantage in point of material, is more than damaged. one tenth of the quantity of flax.

careful sterping.-That to make further experi-

3d. To preserve both the strength and quality of ment of the efficacy of this new method with re-Mr. Gorwardverbeggen, one of the Commissioners, shewed them the two specimens of flax, wrought in competition in the same loom : that he had brought them to the greatest degree of gum, the entire mass quits the transverse poles, fineness of which that species of flax was capa and ble; that that of Mr. D'Hont D'Arcy had borne pool. the trial perfectly, but that that of Mr. Devos, That this pool contained a considerable parcel other, broke frequently; that therefore, the new of flax tied in bundles, and fixed in a vertical po-process may be concluded to preserve the strength sition, with the root of the plant towards the bot-tom. That it was kept in this position at the le-the result of the bleaching, they sent on the 20th vel of the water by some branches and straw, September to Mr. Brackmen, bleacher, and one flax have begun to suffer in quality. which branches were pressed by three planks of of the commissioners, two skeins of thread, one wood placed across, having at the extremities of taken from the flax of Mr. D'Arcy, and each, stones sufficiently heavy to prevent the the other from that of Mr. Devos. That both were tied together, and underwent the same That the flax had been in this state for one bleaching operations, and that in the end the ad day, and that the water was already discoloured. vantage of the new process was manifested, in That on the 10th of August they saw the first the facility of discovering that of Mr. D'Hont

That specimens of all these gradations acsigned by the old method; that on the top of the companied their report, of both parcels of flax, water many bubbles appeared, a certain sign undressed, scutched, hackled, spun, raw and that the effect of the steepage was in full ac-bleached, in each of which the superior whitetivity. That all the water was drawn off, and ness of that from the new mode of steeping was obvious; and that they strongly recommend this points out the defects of the old method thus: That on the 15th of August the second water method to the particular notice and protection of

the Prefect."

The author of the memoir then states the difference of his process, which has been reported lours, which affect the filaments of the flax, and to dilfer from the common usage in four points.

1st. In placing the bundles in the steep vertically, instead of horizontally.

2dly. In immersing the flax by means of trans-

it to the house of Mr. Devos, a farmer at Heus half a foot between the bottom and the roots of with flax, the colouring particles of the gum be-

4thly. By renewing the water at stated inter-

He adds in a note, that "the gum in the head That Mr. Devos was a farmer remarkable for of the plant has nearly one half more consistence than at the root; and that the flax dressers always find that the heads are never sufficiently steeped, and that they cannot clean them without much trouble and a great loss of flax.'

The spontaneous descent of the steeped flax, spect to the quality and strength of the flax. he states, to be an indication of its being nearly sufficiently rotted; since at the moment when the particles of air which the plant contains, have all escaped by the decomposition of the and settles spontaneously at the bottom of the

That at this moment it is necessary to be on even at four degrees short of the fineness of the the watch; to take out a handful of the flax, to dry it, and to examine the state of the gum; which trial should be repeated every six hours, for the purpose of seizing the moment when the gum is wholly got rid of, and before the filaments of the

> That when that exact point is attended to, the flax need only be spread one half of the usual time, so that the grass will not have time to cover it by its growth, or to deteriorate it by its humidity. That the spread flax should be turned in four or five days; and that finally, in lieu of a change of water, the extent of the steeping pool should be proportioned to double the mass to be steeped, by which the flax will acquire that shining and blueish whiteness which indicates a superior quality.

In another part of the Memoir, the author

"That those who steep their flax by heaping the bundles upon each other horizontally, draw even from that one mass, two or three different coas many more perhaps before the termination of the steepage, owing to the unequal operation of the temperature of the atmosphere, which acts with infinitely more force near the surface, than in the depth of the stagnant water. That the result of this irregularity is, that whilst the buning diluted in but a little water, acquire thereby he power of rendering certain portions of the flax nearly black, blue, or red, according to their position in the mast.

"That by this variation in the time of precise sufficiency of steepage, (which is critical,) the after operations become difficult and troublesome. That thus great waste is occasioned, the quality of the flax altered, and the bleaching of the thread and linen rendered tedious and expensive.

"That those who steep in running waters, obtain more whiteness and better quality than from the common method of the stagnant pool. But that this mode is also defective, inasmuch as, D'Hont D'Arcy, which weighed one knogramme with, and that in dispensable to render the flax, the water circulating more at the extremities 420 grammes, yielded 870 grammes of flax and pure action is indispensable to render the flax, than in the middle of the mass, or the interior of water to attain the proper degree of steepage with perfect precision. He concludes, that after much reflection, reading, and travelling through flax countries; after a minute inspection of Mr. Lee's method in England, and after many experiments made on a great scale, he flatters himself that the mode he proposes is the best "

The experiments reported; may furnish a comparative view of the waste that occurs in the nanner of dressing the flax in Flanders and clsewhere, as well as an opportunity of ascertaining, whether in that respect, and in the other advantages stated, Mr. Lee's method and the later improvements upon it in England, be preferable to that which the Memoir recommends.

^{* 28} feet by 14.

[†] About 13 lb. 61 oz. Avoirdupois.

EGYPTIAN MILLET.

Oxford, February 26th, 1824.

MR. SKINNER,

as to send me that you received from N. V. Herbemont, Esq. of South Carolina, which he called Egyptian millet, (see volume 4, page 103 and 326, of the American Farmer,) there being so great an to give you some account of its success.

had one from 18 inches to two feet long, perhaps some as long as 30 inches; I mean to send you some to look at; some of them are yellow and others purple. I did not try the experiment of cutting this millet for forage, but the prevailing thing I ever saw grow; I am sorry I could not save more seed, for many apply to me for it that will not get any, as I have but very little on hand.

I think if you had seen it growing in my lots in Oxford, you would have taken a drawing of it:

I am, dear sir, your's, &c.
JOHN WILLIS.

* This fact is remarked by all who have cultivated millet. Ed. Am. Far.

bloom.

----NEW WHEAT.

gentleman in this county.

bearded thorn wheat, the berry rather smaller respectfully submit the following report: than the white or red chaffed wheat, and weighs from 62 to 64 lbs. a bushel. I have made experi- whatever increases the consumption of its proments, and have given it a fair trial on different ducts, whether at home or abroad, necessarily soils, from clay loam to a black rich soil. It pos advances the interests of agriculture. He who sesses two very important properties which our cultivates the soil, looks beyond the supply of his common wheat does not. It resists frost much own wants for the profits of his labour. He looks better, and is absolutely invuluerable to the at- to a market for the surplus products of his indus- tle ground for difference of opinion. Foreign tack of the Hessian fly; this was abundantly try. The home market, in the opinion of the nations act not for us, but for themselves. Fa-

side by side was untouched.

the straw is lighter and softer and does not grow demands, without diminishing in a greater deas tall as common wheat, the heads are shorter, but fill well, the chaff is light. The flour is equal of the American Farmer,) there being so great an account of the wonderful growth of it, I was determined to see a specimen of it; and found it astronished so many people, that I think it my duty the finest let of wheat he had anywhyred since I will be shown to the common red berried wheat. I sold 70 bushed so many people, that I think it my duty the finest let of wheat he had anywhyred since I will be shown to the finest let of wheat he had anywhyred since I will be shown to the letter of wheat he had anywhyred since I will be shown to the letter of wheat he had anywhyred since I will be shown to the letter of wheat he had anywhyred since I will be shown to the letter of wheat he had anywhyred since I will be shown to the letter of wheat he had anywhyred since I will be shown to the letter of wheat he had anywhyred since I will be shown to the letter of the shown to t the finest lot of wheat he had purchased since United States, would promote the agricultural I planted a few hills of it in good ground in a harvest, it was sowed the 17th Sept. 1822. It hrosperity of the nation. A portion of population, but unfortunately did not plant it quite was first introduced into Seneca county 5 or 6 tion engaged in manufactures would necessarily soon enough in the season: I planted it the last of years ago, and is called beaver dam wheat, under depend on the farmer for subsistence, and create April instead of about the 15th March, viz. to an idea it was first brought from a beaver dam a more herfect and profitable division of labour save seed. I put 3 seed in each hill, the hills 5 near Utica, whereas, Col. Mynderse informed me than now exists. A new market would be opened,

0 FOR THE AMERICAN FARMER.

Mr. Skinner,

from the calamitous situation in which a large portion of our citizens, and entire sections of the secure a new and ready market.

Union are involved.

As to the articles of foreign growth, to which

HAMILTON.

Philadelphia, April 2, 1824.

NEW WHEAT.

The committee on agriculture, to whom was should embrace every raw material found or proRxtract of a letter from Jonas Seelr, Esq. a referred the resolution of the House of Reprecared with ease and cheapness, and in abundance member of the Legislature, to an agricultural sentatives, instructing them to inquire if an in-in the United States. The committee have concrease of the duty now established by law, on fined themselves to the home market, in the Albany, 6th Feb, 1824.

Albany article of foreign growth or manufacture, brief view which they have presented. The will be for the interest of the agriculturist; and, question how far the increase of this home marof a new kind of wheat, lately cultivated in Senic there be any such article, to name the same, neca counts, I really consider it a great acquising together with the additional amount of duty which tion to our country It resembles in colour the they deem beneficial to the agricultural interest,

That, in the apprehension of your committee,

proved the last season. On this account alone it committee, is at all times to be preferred to the is invaluable, as I had fields of common wheat foreign market, when the reward of agricultural nearly destroyed by the fly, while this new wheat pursuits is equal—the former is less precarious than the latter; it is, also more permanent and The common wheat when not injured by fly or Vith respect to the few seed you were so good to send me that you received from N. V. Her-wheat grows thick on the ground, the colour of when the home market can be increased in its

save seed. I put 3 seed in each nill, the hills 5 near Otica, whereas, Coi. Mynderse informed methan now exists. A new market would be opened, feet apart, or say from 4 to 5 feet apart; it came that it was imported from Spain by Elkanah and a new demand created, for all the raw material in each hill and it looked so little, I did not think rious samples of wheat he distributed over the cannot be denied, that, if all the manufactured much of it, or I would have paid more attention to it than I did at first; and it only shared the same fate, as to cultivation that the rest of the same fate, as to cultivation that the rest of the hirsy strife of politics. The market would be opened, where the manufacture is now exists. A new market would be opened, that it was imported from Spain by Elkanah and a new demand created, for all the raw material was one of the variation which new manufactures would consume. It is hoped the printers of newspapers United States, were manufactured within the same fate, as to cultivation that the rest of the high spain is the rest would consumed by the people of the same fate, as to cultivation that the rest of the high spain is the raw material was one of the variation which new manufactures would consume. It is hoped the printers of newspapers United States, were manufactured within the same fate, as to cultivation that the rest of the high spain is the rest would consume. It is hoped the printers of newspapers United States, were manufactured within the same fate, as to cultivation that the rest of the high spain is not all the raw material was one of the variation which new manufactures would consume. It is not considered in the rest of the printers of newspapers under the variation of the variation of the variation which new manufactures would consume. It is not considered in the variation of the vari corn lot did; but to my great astonishment it put breathing spell from the busy strife of politics, furnished by ourselves, the value of our lands out from 15 to 20, and some more stalks, some as and occasionally turn an eye to the best interests would be increased, and the profits of agricultularge as common Indian corn from each plant! of our country, viz: agriculture and domestic ral labour considerably augmented. Demand and they grew generally upwards of 12 feet high! manufactures. A general communication of the and consumption would be directly extended—a and some had 12 shoots on a stock, but no ears, above important information cannot fail to progreat extent of soil devoted to the growing of it being planted too late, except the top, which mote the general good. cultivation. The soil and climate of the United States are capable of producing the various articles necessary for such manufacturing establishments as will most naturally flourish in this cutting this millet for forage, but the prevailing opin on is, it could be cut from 3 to 4 times a year if planted early in our climate, say about the latitude of 39 north; no doubt but it suits a warmer climate better, but I find I had some ripe seed, and the birds and mice are so fond of it* that they destroyed the most of mine before I discovered their preying on it. It may in my opinion be recommended to all farmers that wish to raise forage for their cattle, and those who have low lands with rich soil, and not much fit for wheat, and more can be raised off an acre than of any lands with rich soil, and not much fit for wheat, and more can be raised off an acre than of any lands with rich soil, and not much fit for wheat, and more can be raised off an acre than of any lands with rich soil, and not much fit for wheat, and more can be raised off an acre than of any large for their cattle, and those who have low lands with rich soil, and not much fit for wheat, and more can be raised off an acre than of any large for their cattle, and those who have low lands with rich soil, and not much fit for wheat, and more can be raised off an acre than of any large for their cattle, and those who have low lands with rich soil, and not much fit for wheat, and more can be raised off an acre than of any large for their cattle, and those who have low lands with rich soil, and not much fit for wheat, and more can be raised off an acre than of any large for the Committee on Agriculture, and request you will publish, in the mext number of the American Farmer, a most sum deprovided manufacturing labour should be extended. By a comprehensive and rigorous system of policy, calculated to unfold our agricultural resources, a spirit of emulation and in ext number of the Committee on Agriculture, in the Mouse of Representatives of the United Message for the United Gustry would be defined and ustry would be defined. By a comprehensive and rigorous system of policy, calculated to unfold our agricultural resources. By large for the United country, and of such as would inevitably be conhere condensed. It is most earnestly recommend at once various, in point of demand, but sure, ed to the careful perusal of every citizen inter-ested, from public or private motives, in the wel-fare of the United States. Like the radiance of could not affect it. On this point, therefore, the the sun breaking forth from a curtain of dense committee cannot entertain any doubt. The ex-I expected you planted some yourself, or I should clouds, it dispels the mists which inveterate prethat you some last full, to see when in full judice has shed over the policy which this count the production of such raw materials as can be try ought to pursue, in order to rescue herself found in this country must increase the demand

an increase of duty should apply, in order to promote the prosperity of our agriculture, the committee need only remark, that, if the princi-In the House of Representatives, March 19, 1824. ples which they advance be sound, the duty ket, by an increase of duty on foreign articles, would affect the demand of our agricultural products abroad, leads to a new train of considerations. The first inquiry which naturally occurs in this point is, what are the inducements with breign nations to purchase the productions of our soil? what their motives? what the moving auses of the market which they extend? Is their policy founded on favour, reciprocity, self-intecest, or necessity? On this subject there is litle ground for difference of opinion. Foreign

vour, and even reciprocity, form no basis for ed with the preceding; they are the corner this or that, good or evil quality, or temperament, their measures towards us beyond the compass of teeth, next the tushes, are called pincers, and bare expediency. They will consume our raw are those which bear the mark; this mark conmaterials when they cannot do better; when they sists in the tooth being hollow, and in the cavity can, they will not not consume them. When the consumption of our agricultural products comes bean. The tushes may then be felt. At four in contact with any principle of political econo-my applicable to their own condition, a hostile visible above the gum, and the cavity is very common bays, with black legs and manes, and tariff meets us at their shores. Hence, the fotury market, for the fruits of our soil, defends shed his remaining four colt's teeth, and his tushbut little on the sale which foreign manufactes appear. At six, his tushes are up, and appear tures find in this country; and whether we white, small and sharp, near about which is obpurchase more or less, foreign nations will graduate their policy towards us, by a standard inde pendent of any general system of duties which we may adopt; at least, so it appears to your

How long would Great Britain purchase our cotton, if her own colonies could supply her demands? How many nations would consume any article that is cultivated by the American agri culturist if they could find their demand supplied can only be guessed at from certain indications; these ill fated agriculturists, would do well to exon better and more advantageous conditions, by home industry? These questions are answered derable accuracy by experienced people. If his httle left for them to do in the "demolishing by their proposition; it is, therefore, the opinion teeth shut close, and meet even, are tolerably way." What can have brought upon us poor of the committee, that the foreign market for our agricultural products, and for the staple articles of our exports, in the shape of raw materials will not be essentially affected by any in verease of duty on those foreign manufactures which are composed of similar materials.

As to the amount of duty which should be imposed, it must always depend upon a variety of considerations, which need not be detailed: it should be sufficient to secure the exclusive and be very long, black, and foul, but will generally (to borrow a southern phrase of much sterling constant demand of our ruw materials, and to sustain the American manufacturer in his pursuits; it must be competent to build up and protect those manufacturing establishments, at pre sent in the country, and which, with a reasonable Beside those exhibited by the month, nature evencouragement, will present a constant deniand or furnishes variety of signals, denoting the apfor those raw materials.

In fact, as to the articles of foreign growth and manufacture, which should be taxed in order to increase our agricultural prosperity, your committee would refer, generally, to the tariff now before the house. The committee do not perceive the necessity of selecting any articles, or of imposing any duties, beyond those embraced by that bill.

LAWRENCE, ON THE AGE OF THE HORSE. HOW TO KNOW IT.

- Carrier 199 ()

is only determinable with precision by his teeth; maining colt's teeth, in order to make the horse and that rule fails after a certain period, and is appear five; but you will be convinced of the inous project "the building up a home market," sometimes equivocal and even uncertain within fraud, by the non-appearance of the tushes; and we shall all be cajoled out of our senses. Had that period. A horse has forty teeth; viz. twenty- if it be a mare, by the shortness and smallness of this master mason served his apprenticeship at four double teeth or grinders, four tushes, or the corner teeth, and indeed of the teeth in the erection of the Tower of Babel, some intelthat period. A horse has forty teeth; viz.twenty- if it be a mare, by the shortness and smallness of single teeth, and twelve front teeth, or gatherers, general. To give an old horse the mark, is ligible explanation might, have been given of his Mares have no tushes in general. The mark, termed, to bishop him; of the derivation of this present hallucinations. As this could not very which discovers the age, is to be found in the term I have no knowledge. They burn a hole in well have happened, the man who would underfront teeth, next the tushes. In a few weeks, each of the corner teeth, and make the shell fine take to explain them, must have such a head, as with some, the foal's twelve fore teeth begin to and thin, with some iron instrument, scraping all shoot; these are short, round, white, and easily the teeth to make them white; sometimes they distinguishable from the adult or horse's teeth, even file them all down short and even. To this with which they come afterwards to be mixed, they add another operation; they pierce the skin At some period between two and three years over the hollows of the eye, and blow it up with old, the colt changes his teeth; that is to say, he a quill: but such manœuvres can deceive only the sheds the four middle fore teeth, two above and inexperienced, and in case of dispute would be with horse's teeth. After three years old, two nothing, in my opinion, can be said more to the others are changed, one on each side the forpurpose than to repeat an adage of old Bracken,—mer; he has then eight colt's and four horse's "A good herse is never of a bad colour." Mo teeth. After four years old, he cuts four new dern light and experience have been happily teeth, one on each side those last replaced, and employed in detecting and exploding the then has at that age, eight horse's and four fort's teeth, lette whimseys of antiquity upon almost all sub These last new teeth are slow growers, compar- jects; among the rest, upon that of attributing manufacture which we are in the habit of pur-

conspicuous. At five years old, the horse has white, small and sharp, near about which is observable a small circle of young growing flesh; the horse's mouth is now complete, and the black mark has arrived at, or very near the upper extremity of the corner teeth. At seven, the two FRIEND SKINNER, middle teeth fill up. Between the seventh and eighth year, all the teeth are filled up, the black mark hath vanished, and the horse is then said same stamp, with the one who has graced your to be aged, and his mouth full.

but these guesses are usually made with consi-pedite their attacks; or there will be precious white, not over long, and his gums appear plump, devils, such killing kindness, God only knows; you may conclude he is not vet nine years old. At for it far transcends all hum in intelligence to that age and as he advances, his teeth become comprehend. The author must surely be another yellow and foul, and appear to lengthen, from the Philo Hamilton; or, as I rather suspect, the reshrinking and receding of the gums. The tush-doubtable champion himself; for this publication es are blunt at nine; but at ten years old, the has the invariable accompaniment of every thing cavity or channel on the inside in the upper from his pen, that I ever saw: to wit, scraps of tushes until that period to be felt by the finger, letters without number, and interminable ari h neare entirely filled up. At eleven, the teeth will tical calculations, which make the matter in hand, meet even: at twelve, his upper jaw teeth will value,) "all as clear as mud" But let this pass, overhang he nether; at thirteen and upwards, that I may beg of you, for pity sake, to tell us how his tushes will be either worn to the stumps, or you have stumbled upon such a correspondent; long, black, and foul, like those of an old boar, or rather, how he could continue to stumble up-Beside those exhibited by the month, nature ev- on von? could it be necessary, my good sir, to proach of old age and decay, throughout the bo- tions, either from real letters, or such as have dies of all animals. After a horse has past his been fabricated in news papers for purposes of prime, a hollowness of his temples will be per-speculation, in order to prove the simple fact, ceived; his muscles will be continually losing something of their plumpness; and his hair, that denies, that the price of our tobacco has fallen? gloss and burnish, which is the characteristic of Or was this the best method your correspondent youth and prime, will look dead, faded, or en- could think of, to persuade us, that the most eftirely lose its colour in various parts. In proportion to the excess of these appearances, will be notwithstanding this diminished, and still dimithe horse's age.

by a set of unfeeling rascals, who have no other rule of conduct than their supposed interest, to counterfeit the marks of age in horses. At four The age of a horse, it is sufficiently well known, years old they will frequently knock out the re-

to the colour of a horse. All that I am warranted in saying, from my own observation, is, that I have seen more bad horses, of all kinds among the light bays, with light-coloured legs, and muzzle, than amongst any other colours; and the common bays, with black legs and manes, and the chocolate browns. This, in all probability,

> 0 FOR THE AMERICAN FARMER.

April 5th, 1824.

If the other numbers of your 6th volume, are to furnish the tobacco planters with friends of the 1st number with a few of his lucubrations from From that time forward, the age of the horse " an unpublished pamphlet," &c. the enemies of accumulate such a mass of figures, and quotaspeculation, in order to prove the simple fact, which (by the way, I believe) no human being fectual way to benefit ourselves, was to agree, nishing revenue, to give him and his friends more. The following are among the devices practised for every thing they either have, or may have to sell? Truly if such is his logic, and such his mode of coaxing, I cannot but say, that the very worst of Dr Kitchiner's "peristantic persuaders" are most admirable viands compared to them,

But he seems to think that by calling this ruit would be quite a hopeless task to find; for they amount to this,-that the less we have to buy with; or in other words the more our products are reduced in price, the more we shall be able to purchase of every thing we want: -"the building up a home market," being the grand panacea or solving this unintelligible paradox. And the only thing necessary to complete this wondrous piece of architecture is, simply to exclude foreign anufactures, or to tax them so highly, as greaty to diminish their importation.

Pray take the trouble to examine for a moment how this would work. If by any process of legislation, either fair or foul, those articles of foreign

chasing, are made to cost us more, than they did; which the onus probandi lies before me) in the tainly desirable, if possible, to obtain some speat the same time that the price of what we sell, supreme court, however urgent in its origin, and cific, which may be relied on, to expel those either falls, or remains stationary, it is as clear absurd in its object, I would import them. as the meridian sun, that we shall be compelled same kind; even admitting the physical impossibility, that the immediate consequence of the le augh ented exactly in proportion to the addition-

al cost of the foreign articles. It : oes not remove the difficulty the breadth of a chego's bristle to say, that a home market for and there are no classes where interests call so un'ess it can be demonstrated that a domestic malingenious discoverer of really new and useful ed on the ground, and apparently in the last agonufacturer can actually consume more, both of principles. bread stuffs, and of all our other products, than a foreige one; but this incrediale absordity I do not r coil ct, that even Hamilton himself, has yet at-t apted to make us swallow. What then would taking out a patent, a security (for an amount of relief. The medicine will show its effects in ensue? Why we should gain no more home custo correspondent to its supposed advantages) that, copious discharges from the relieved animal, mers, than we should loose foreign ones; but we in the event of his claim to it proving fallacious, which will be accompanied by quantities of dead should be deprived of all the advantages of that would indemnify the individual he should sue for botts. He will not only be relieved, but will be foreign competition which keeps down the prices the invasion of his assumed right? If his claim improved in his health and condition. It is to be of what we buy; and much time would inevitably be really founded, and a jury support it, no harm observed, by the by, that all owners of horses great enough, (if it ever could) to produce the occur, and the punishment be but just. posed to every exaction which a state of things but little removed from actual monopoly, would ranslation of a letter from Marseilles to the enable the home manufacturers to practice, white this all essential indigenous competition was dated Dec. 24, 1823. growing up. Wuhoat this legislative interference, which would be as barefaced an act of despotism, es the Grand Turk himself ever attempted, a one of the most important branches of our comnumber of manufactories are daily, and rapidly merce. establishing themselves; and obtaining a firm footing in the country, which they will maintain; simply because the nation is ripe for them, and the cotton plant into Egypt from Brazil. The

gress, I have nothing to say, but that the members of this body, both individually and collec-

Your Friend, NICOTIANA

TO THE EDITOR OF THE AMERICAN FARMER.

South Carolina, March 10, 1824.

MR. SKINNER,

patentee of the ordinary class of patentees) has the effect of this upon our commercial relations called your attention to his iron wheels, and ex with the United States? pressed a wish to sell the right to their use in the different parts of the United States

since, I imported a pair of wheels with cast iron chants. lobs, by a peculiar axic tree, made by a Mr I ennet, of Bristol. And as long ago have I seen at Edinburgh, the carriage of a carriage, altogether n ade of wronght iron. The wheels of that were of the same metal, and seven years since they were common coough in Great Britain. Hence,

The honest mechanic and real inventor of imto bey less of them. Nay more, we must also provements, should really be put on their guard As one of your correspondents observes, there is purchase less of the domestic manufactures of the against the inconveniencies arising from the army

gislative operation would be, to create instanter, through this county and sold patent rights to a ministered. Currying and cleaning the hair of all the means necessary for their fabrication; cutting box, (Willis's) and in one of the towns the horse is necessary not only for the good apbecause the price of these manufactures would be where he thus picked up \$50 or \$60, there had pearance, but also for the general health of our been an imported cutting box, on exactly the same favourite animal. principle, for many years.

our roducts will be substituted for a foreign one; loudly for it, as the industrious mechanic and the

I am, sir, &c. CAROLINIENSIS

elapse, before the home competition would be could arise -in the other case, much benefit would would do well to give them occasionally in their

EGYPTIAN COTTON.

" It falls within the province of your Journal to make public a revolution which is preparing in

"It is now four years since M. Jumely, Frenchman, conceived the idea of introducing they can successfully meet any competition that experiment completely succeeded; the Pacha As to that part of your correspondent's extract of "heart's ease," wherein he attempts to play the part of a sort of "Amicus Curiz" to congress, I have nothing to say but that the called Jumel Cotton. In the second year the culture produced nearly 100,000 kilogrames accord, pronounce it to have been of the first [220,000 lbs.;] in the third year twenty times as quality for fat and flavour; and we invite our tively, are doubtless willing and able, amply to much, and now in the fourth year, at the mo-eastern and western shore friends to send to the renunerate him for his kindness. Whether they will do so, or not, is quite another affair; but with due submission to their better judgments, I think they certainly owe him, at least abundant thanks for his very supercrogatory care. For the honor of the nation, let them not in this remarkable case, furnish another item to blacken the large and truely large not be the sum of the large not in the lourth year, at the more ment of my writing, there are in the lazaretto of same address, a similar sample of their good management, of any breed of sheep; from which we pledge ourselves to make a faithful report, about the same quantity which we have here, and letters of the highest authority say that the enable case, furnish another item to blacken the time crop will exceed 5,000,000 kilogrames.

O. HOOSEY, of the Cliffs.

JOS. B. SIMS, of Poplar Neck. long, and truely lamentable catalogue of acts of [about 40,000 bales.] We can place no limits to MR SKINNER, ingratitude so generally exhibited against republished the future increase of this plant; the Pacha has it cultivated very high up the Nile.

"The quality of this cotton, which is of the long staple kind, is excellent; when it obtains a little more whiteness in color, and is better handled, it will entirely supercede the Louisiana and Pernambuco cotton. It is probable that our ma nufacturers will give it the preference, more especially on account of the low price to which the I perceive a Mr. Hoaxie, (for that if he is a abundant crop will reduce it. What will be

I stop here, and leave this subject, of which the consequences will be vast, to the consideration He must permit me to tell him that six years of your readers, and of manufacturers and mer [Signed] ARMAND.

EFFECTUAL CURE FOR THE BOTTS.

TO THE EDITOR OF THE AMERICAN FARMER.

Sir, In the American Farmer I have read with insooner than subant to the decision of a suit (in terest, several remedies for the botts. It is cer-

stomach, as well as to prevent their formation. no doubt that salt exhibited weekly in the food of patentees, with which this country is ravaged, of horses, would assist as a preventive; and so It is not long since one of this tribe passed will salt-petre and ass fætida occasionally ad-

Of all the remedies I have used and seen used The patent law should undergo some alteration, to expel the botts, fish brine is decidedly the most efficacious and sure. I have saved several valuable horses, after they were actually stretch-

Let a quart of strong fish brine be administered at once; and the dose repeated in an hour food, and sometimes in draught, small quantities of fish brine.

E. H. CUMMINS.

The following, another Receipt, furnished to us by W D. Taylor, Esq. of Taylorsville.

Half pint of elder juice, extracted from the leaves; half pint of linseed or any other oil; half pint of whiskey and half pint of water, with a small piece of alum, making a quart drench, which will ensure relief in fifteen minutes.

>D = CERTIFICATE.

We the subscribers to this certificate, having He this day dined from a saddle of merino mutton, presented by William R. Stuart, Esq. of Queen-

Be pleased to publish the above certificate, which will oblige the subscribers thereto, and your friend

A Subscriber.

April 6th, 1824.

PUBLISHED IN THE AMERICAN FARMER, BY OR-DER OF THE STATE.

A report of the tobacco inspected at and delivered from Sheppard's Inspection Warehouse, Baltimore, during the quarter commencing on the first day of January, eighteen hundred and twentyfour, and ending on the first day of April eighteen hundred and twenty tour.

	Domestic growth	Gr wth not of this state.	Re-in spected.	Total.
Number in- spected.	165			165
Number de- livered.	205			205

LANCELOT WARFIELD, Inspector.

FOR THE AMERICAN FARMER.

REMARKS ON KEEPING COWS. APPLICABLE TO TOWN AND COUNTRY.

Many families in town are induced to forego the economy and satisfaction to be derived from an abundance of milk, especially where there are children, in the apprehension-first, of their cow being stolen, by miscreant thieves who make a sort of living between fear and trembling, by cow stealing; and secondly they think, erroneously, that the expense of keep is greater than the income. The liability to have our cows stolen by wretches who are on the watch to take them from the commons, and sell them in the country for dru cows-or to exchange them for fresh ones, is a crying nuisance, and amongst the vast variety of new fangled societies, " A society to arrest and bring cow thieves to condign funishment," would be more useful, than some others; at least its benefits would be felt and seen neurer home.

Then as to the profit and loss-a cow need have

per hundred, that would be for

Fourteen pounds per day-an ample

supply, 3 galls. of ship stuff, or 6 galls. Vir-10 cents.

ginia bran,

Yield of milk at least 10 quarts per

day the year round, at 5 cts. per quart, 50 cents. Consume in the family one gallon per day of good rich milk, giving abundance of cream for in the coolest part of the ship, or in a cool place, tea and coffee, and still you would have six quarts during the coolest part of the ship, or in a cool place. Milk preserved in this manner, has been carried per day for sale, giving 50 cents per day, or \$9 to the West Indies, and back again to Denmark; per month, this would pay the whole wages of and although it had been eighteen months in the the best man servant, to take care of the cow and do all the work of the house besides, and give yeast money in the hargain!! But if instead of long forage, cut hay, or cut straw, he used, a woman may easily milk and feed the cow. The best way to give the bran or ship stuff, is to moisten it first-either one gallon of ship stuff or two of Virginia bran; then pour on it a gallon of of the imported mare Lady Bunbury, will be perboiling water, and after stirring it well, add two mitted to cover the winner, or dam of the winner or three gallons of cold water and give it warm of any plate, match, or sweepstakes, of not less to the cow-some cows will not eat slop well in than £50 value, gratis. He is a fine blood bay, the beginning; in that case put a little water at first and increase it gradually. To this food may never backed, but is quite gentle; is nearly, or be added the slop of the kitchen-or that may be given to a hog, and will give you 300 weight of than his sire; and many good judges think of good meat in a year. These are among the equal strength. The horse is at Mr. Randolph's "small matters" which the master of a family is Middle Quarter in Charlotte county, Virginia. "small matters" which the master of a family is Middle Quarter in Charlotte county, Virginia, ed state, then hit over it, and a plaster of salve too apt to think beneath his notice—but he should be never covered until 1822, and his foals of last next. This is to be done night and morning; at remember that trusting too much to other's care year are uncommonly fine. He was suffered to which times the carbuncle is to be washed, not is the ruin of many, for "in the affairs of this world, men are saved not by faith but by the want o it," as poor Richard says, and "the eye of a paror, out of Theopha by Highfiver; Plaything, to be put master will do more work than both his hands." by Matchem; Vixen, by Regulus, &c. &c. &c. And again, if you would be wealthy think of Apply to Edm. Morgan, the overseer. saving as well as getting; "the Indies have not made Spain rich, because her out goes have been greater than her in-comes"

DOLLY THRIFTY.

Milk Alley.

ON MILK AND ITS PRESERVATION, With reasons why the portion last drawn from the cow is always the richest.

() with

At a late sitting of the Glasgow Philosophical Society a memoir was read by Mr. Maclure, a surgeon, in which he presented a simple but satisfactory explanation of the well known fact that the milk which is obtained towards the conchision, is much richer than that which the cow yields at the commencement of the milking pro-

cess. The dairy-maid calls it the strippings of and, im fully convinced that none of the inland afterings. His theory is this: He considers milk counties of this vast country, which do not enjoy ner, because the part called afterings, which resembles cream, is specifically lighter than the Utopia. more aqueous portion of milk in the udder, it ascends to the upper region of that organ, and conse-

preservation of milk, either at sea or in warm Then spread a little straw on the bottom of a nefitted by it. boiler, on which place bottles with straw between them, until the boiler contains a sufficient quantity. Fill it up with cold water; heat the water, and as soon as it begins to boil, draw the fire, and let the whole gradually cool. When quite cold, take out the bottles, and pack them with straw or sawdust, in hampers, and stow them

TO THE EDITOR OF THE AMERICAN FARMER.

The bay horse, Roanoke, got by Sir Archy out with black mane and tail, and black legs; was quite 16 hands high; a much handsomer horse go to none but his owner's mares. He is seven only in warm soap suds, but in a tea of red onk

The horse is free from all blemish.

April 10, 1824.

Editorial Correspondence.

Extract to the Editor, dated Montrose, (Pa.) 5th April, 1824.

DEAR SIR,

Annexed, you have my draft for \$10, on Prime Ward & Sands, New York, in payment of Mr. William Drinker's and my own subscription for

the Farmer of the ensuing year.
I hope the Pariff bill will pass—and I am much pleased with the extract from the unpub lished pamphlet, inserted in your last paper; as it is likely to open the eyes of many of your cles (which have come under my personal ins, coreaders. I have long seen things in that light, tion and observation,) by the above remedy,—

in the udder of an animal, as being nearly in the the advantages of an easy and cheap navigation, same circumstances as milk contained in a vessel will ever be as flourishing and populous without out of her body altogether. It is without the manufactures, as with them. The objection to pale of the animal's secretion, and nearly in a manufactures on account of immorality, is nonstate of absolute rest. Its component parts, sense. I am well acquainted with most of the therefore, will obey the same laws in the one manufacturing districts of England, and assert that state as in the other. Now the cream, which is they are to a certainty not more immoral than the lighter and more oleaginous part of milk, as- our cities; where the population is dense, there cends to the surface of that which is contained in a will be more immorality than in less populous vessel, becomes supernatant, and leaves the more places, where vice is more observable—but what watery and heavier portion below. In like man-statesman must he be, who objects to an increase of population on that account—we do not live in

Take the manufactures away from Great Briquently is the last which is expressed during the process of milking.

The following method is recommended for the greatness and power, and as the natural advantataio, and the effect will be the same which the ges possessed by this country are much superior climates :- Provide pint or quart bottles, which to those possessed by great Britain, I think they no better food than the following:—hay I undernust be perfectly clean, sweet and dry; draw onght to be called into play. I, for one, am very
stand is now selling at \$10 per ton, but say \$1.40 the milk from the cow into the bottles, and as willing to submit to reasonable taxation, for the they are filled, immediately cork them well up, sake of manufactures; nor do I claim any merit and fasten the corks with packthread or wire, on that account, as I m rally deem I shall be be-

Extract dated Fort Osage, 29th Feb. 1824.

This has been the mildest winter that I ever knew here, we have had little or no snow, and but very few cold days. Though we had one day in January colder by 4 degrees than I ever before noticed. The Missouri has not been frozen over here this winter, a circumstance that has not occured before since 1808. My out cattle and hogs, a goodly number of each, have entirely subsisted bottles, it was as sweet as first milked from the in good order—hay has frequently been thrown to the cattle, but they refuse to use it except to lay on, though the hay is good.

Respectfully, yours, &c. G. C. SIBLEY.

J. S. SKINNER, Esq. Baltimore.

---FOR THE AMERICAN FARMER.

RECEIPTS.

A CURE FOR CARBUNCLES.

After the carbuncle is cut or split open with a knife, begin to apply nettle root in a fine powderbark .- A sufficiency of powdered nettle root is to be put on so as to cover the carbuncle at each

I do not know the botanical name of this kind of nettle, but the root grows to a great depth in the soil, and hogs are very fond of it, and are seen to root two feet into the ground after it; it has a thick rind or bark, which when stripped or pealed off, exhibits the root of a heautiful white, which, when thus prepared, is to be hung in the air to dry, and when dry, it is easily, with a kmile, scraped or grated into a powder for use. rnot is pleasant to eat, as it has a sweet taste combined with a gentle pungent taste. Some of the Medical faculty have pretended to decide the use of this root as not having sufficient efficacy to cure so dreadful an inflammatory tumour as a carbuncle .- But facts speak loud-and a lady of my acquaintance, has cured many of these carbon-

The nettle root has also been found useful when applied to sores in which proud flesh is contained. the following proportion and order:-I send you a small piece of the root, [which we shall be glad to exhibit to any apothecary or botanist.]

A cure for breakings out, or eruptions of the skin, particularly on children who are much

given to them. Take the inside of Elder bark and stew it in hog's lard-a sufficiency of the bark must be put in to colour the lard pretty highly; and to each be speedily cured with ut leaving a scar.

CATNIP POULTICE.

be pursued.

will be checked and removed.

receipt to make this useful article.

To 32 gallons of lye, of strength just sufficient for this purpose. to bear an egg, add 16 lbs. of clean melted grease, which, by being placed in the hot sun, and occasoap of first quality.

A House Keeper and Subscriber.

Can this be true ?- Edit. Am. Par.

To make Transparent Soap.

Suet is the basis of all the soaps of the toilette,

To cultivate Asparagus.

That part of the garden which is longest exposed to the sun, and least shaded by shrubs and trees, is to be chosen for the situation of the asparagus quarter. A pit is then to be dug 5 feet must be sifted, taking care to reject all stones, rain water, one pound. Dissolve the salts in

6 inches of common dung-hill manure.

8 inches of turf.

6 inches of dung as before.

6 inches of sifted earth.

8 inches of turf.

6 inches of very rotten dung.

8 inches of the best earth.

ed with the last of dung.

The quarter must now be divided into beds 5 table-spoonful of lard thus prepared, add as much feet wide, by paths constructed of turl, 2 feet in calomel as will lie on the point of a penknife.— breadth and 1 in thickness. The asparagus must Apply this preparation twice a day with a feath- be planted about the end of March, 18 inches er, and by this invaluable remedy, the most asunder. In planting them, the bud, or top of Alexander have, it seems, made a considerable creadful eruptions of the skin on children will the shoot, is to be placed at the depth of an inch be spread out as wide as possible, in the form of an umbrella. A small bit of stick must be placed For obstinate Ulcers in the legs, &c .- Direc- as a mark at each plant, as it is laid in the ground. tions were given in the last number of vol. 5, for As soon as the earth is settled and dry, a spademaking this poultice, which were founded on mis- ful of fine sand is to be thrown on each plant, in information as to the ingredients, and manner of the form of a mole-hill. If the asparagus plants preparing them .- The following method should should have begun to shoot before their trans-direct them, it is easy to guess. Russia cannot plantation, the young shoots should be cut off, and Boil the catnip for a while in vinegar, then the planting will, with these precautions, be lated to repress the rising industry of Russia her-take it out and put in new milk thickened with equally successful; though it should be performed self, but to rouse the enterprise of Englishmen light bread, unsalted butter, and keep it simmer- in this country (Eng.) even as late as July. Should into a search after new paths of commerce, and ing over the fire, until soft enough for a poultice, any of the plants originally inserted, have died, should inflammatiotion indicate a return of the they also may be replaced at this season. The ulcer, apply a salve made of bees-wax, rosin, plants ought to be two years old when they are mutton suet, and hog's lard, and the inflammation transplanted: they will even take at three; but at four they are apt to fail.

In three years the largest plants will be fit Economy and safety in making Soap.-I ob- to cut for use. If the buds be sufficiently served in your paper of last evening, an account large to furnish a supply in this manner, the asof a Mrs. Jacobus having four children scalded, paragus should be cut as fast as they appear; by a kettle of soap falling from the fire. To pre-otherwise they must be left till the quantity revent a recurrence of similar accidents, I am in- quired has put forth; in which case the variety duced to offer the following safe and economical in colour and size prevents them from having so agreeable an appearance. An iron knife is used

The asparagus-bed now described will generally last thirty years; but if they be planted sionally stirred, will, in a few days, produce a in such abundance as to require cutting only once in 27 years, half the bed being always in a state of reservation, it will last a century or more. The turf used in making the beds should be very free from stones.

Another Method.

Make the bed quite flat, five feet wide, of good known by the name of Windsor soap, hecause soil, without any dung, long or short: sow it olive-oil forms a paste too difficult to melt with onions. Then sow two asparagus seeds (lest again, and contains an odour too strong to be one should fail), about one inch deep, near each other; twelve inches each way sow two more; a trotting match took place a few days since on hot in alcohol retakes its solid state by cooling. To this fact is due the discovery of transparent grow until rain comes. In October, cover the bed scap, which, if well prepared, has the appearance of fine white candied sugar; it may also be ance of fine white candied sugar; it may also be a converted to the weakest of the two plants, and keep Betsey Baker, the property of a young gentless and the property of a young gentless and keep Betsey Baker, the property of a young gentless and keep Betsey Baker, the property of a young gentless and keep Betsey Baker. coloured, and the vegetable hues for this purpose, the bed free from weeds. To raise seed, select man in this city. The distance was three miles are preferable to mineral; any person may make the thickest stems; after blossoming sufficient, for a purse of \$1000. The mare won the match this soap, by putting in a thin glass phial, the half of a cake of Windsor soap-shavings; fill it with one half of alcohol, and put it near the fire Brompton stocks. Six pounds are sufficient for the knowing ones came out at the little end of the until the soap is dissolved: this mixture placed any strong plant; setting them to flower near horn. into a mould to cool, produces the transparent double ones is of no use. The excess in petal arises from cultivation, and transplanting into rich soil: wild flowers are seldom double. Keep all small seeds in the pod until you sow them.

> Vegetable Liquor to hasten the blowing of Bulbous rooted F.owers.

Take nitre, three ounces, common salt, one in depth, and the mould which is taken from it ounce, pot-ash, one ounce, sugar, half an ounce, even as low in size as a filhert nut. The best gentle heat, in a glazed earthen pot, and when parts of the mould must then be laid aside for the solution is complete, add the sugar, and filter the American Fathe whole, Put about eight drops of this liquor also be received.

The materials of the bed are then to be laid in into a glass jar, filled with rain or river water The jar must be kept always full, and the water removed every ten or twelve days, adding each time a like quantity of the liquor: the flowers also must be placed on the corner of a chimneypiece, where a fire is regularly kept. The same mixture may be employed for watering flowers in pots, or filling the dishes in which they are placed, in order to keep the earth or the bulbs or The best layer of earth must then be well mix-plants which they contain, in a state of moisture.

On publishing the new Russian Tariff, the London Times makes the following, amongst other observations:-" The Ministers of the Emperor addition to the import duties on foreign manufacand a half in the ground, while the roots must tures and produce. In other words, they have been throwing fresh difficulties in the way of Russian exports to foreign countries. To what extent the English trade may suffer from the adoption by Alexander of these fiscal barbarisms, already worn out and condemned by the discerning nation against whose interests he would now injure Great Britain by means which are calcuto experienced. We have little to dread from a rival armed with those very weapons which we have ourselves cast aside as unserviceable. The war of prohibitions is disasterous to none so completely as to him who wages it; and the Russian government, by this gross blunder, proves against itself an absence of political civilization, no less remarkable than that moral and social rudeness which have long been a reproach to its subjects."

> CHESS .- The London Chess Club have receiv ed an invitation to play two games with the Paris Club. The challenge has been accepted, and on Tuesday last the players here were appointed. They consist of a committee, of which five are a quorum, who are to make the moves and transmit them. Amateurs, no doubt, will be gratified in witnessing this scientific contest, which will display the skill of, probably, the first players in Europe. The stakes are 50 guineas each game. We shall occasionally communicate the moves.-Dublin Paper.

0 LITERARY.

Proposals have been issued by Packard & Van Benthuysen, for publishing by subscription, the Journals of Travels of ELKANAH WATSON, Esq., from 1777 to 1820 inclusive, interlarded with occasional Memoirs, Projects, Essays, and Letters from distinguished men, as well in Europe as in America.

These proposals may be seen at the office of the American Farmer, where subscriptions will

SIGNS OF RAIN.

An excuse for not accepting the Invitation of a Friend to make an Excursion with him.

BY THE LATE DR. JENNER.

1 THE hollow winds begin to blow, The clouds look black, the grass is low; The soot falls down, the spaniels sleep, And spiders from their cobwebs peep. Last night the sun went pale to bed, The moon in halos hid her head; The boding shepherd heaves a sigh, For see no rainbow spans the sky. 9 The walls are damp, the ditches smell, 10 Clos'd is the pink-ey'd pim ernell.

11 Hark! how the chairs and tables crack; Old Betty's joints are on the rack; 13 Loud quack the ducks, the peacocks cry;

14 The distant hills are looking nigh, How restless are the snorting swine, The busy flies disturb the kine:

17 Low o'er the grass the swallow wings; The cricket too, how sharp he sings; 19 Puss on the hearth, with velvet paws,

tots, wiping o'er her whisker'd jaws. I brough the clear stream the fishes rise, And nimbly catch th' incautious llies.

The glow worms, numerous and bright, 24 Illum'd the dewy dell last night.

At dusk the squalid toad was seen, Hopping and crawling o'er the green, The whirling wind the dust obeys,

And in the rapid eddy plays The frog has chang'd his yellow vest,

30 And in a russet coat is drest.

Though June, the air is cold and still; The mellow blackbird's voice is shrill. 33 My dog, so alter'd in his taste,

34 Quits mutton bones, on grass to feast; And see, you rooks, how odd their flight,

36 They imitate the gliding kite, 57 And seem precipitate to fall—58 As if they felt the piercing ball.

39 "Twill surely rain, I see with sorrow 40 Our jaunt must be put off to-morrow. ()

A RARE AND VALUABLE APPLE.

without accompanying explanation.—The Ex- navy, who are extending the range of their stutract from Mr. Hardin's letter dated Shelbyville, dies, and taking, in foreign countries all occasions (Kentucky) 12th March last, will acquaint hose of leisure to prosecute research is, and to collecto whom they were sent, with the qualities of the objects calculated to extend the circle of every fruit which they may be expected to yield. Edit. Am. Far.

To the keepers of our museums hich are first week in August, they ripen, turn yellow, and are the best fruit for the season, I have ever seen, by acceptable and valuable.

To the keepers of our museums hich are first week in August, they ripen, turn yellow, and are the best fruit for the season, I have ever seen, by acceptable and valuable.

The climate of the United States, 'as connected with its agriculture. Now and approved method of steeping Flax, as the provided in the provided in the companies of the Committee on Agriculture, in the House of exceptable and valuable.

The first recipe on page 3' was sent us by a gentleman of high character in North Carolina, the House of the House seedling apple tree, in my orchard .- If pulled the the last of September, without rotting or shrivelling.

Society for the Eastern Shore, met on Thursday, day. the 8th inst. at Plimhimmon. They formed a quorum at an early hour, though the members PRICES CURRENT-earefully collected every had to assemble from distances of ten to eighteen miles -They spent a good day; a real business

The Cattle Show was fixed to be held at Eas

premiums, fill the detail and report at the next and his manager, certainly deserve a handsome meeting. We have the pleasure to inform the premium at the hands of the Maryland Agriculladies that among the variety of articles chosen ral Society. for the display of their ingenuity, skill and taste, there will be six premiums for Butter, and jour ed has been very light, and although in a few inclosed their sitting, and adjourned, to re-assemble at an early day in May, at the seat of his Excellency Samuel Stevens, Jr.

The famous hogshead made and sold last year Excellency Samuel Stevens, Jr.

THE FARMER.

BALTIMORE, FRIDAY, APRIL 16, 1824.

Our next number will be enriched by a valuable communication on the subject of the prevalent and lamentable cause of decay in our peach trees:-we are indebted for it to the indefatigable investigations of Evan Thomas. Jun. and his obliging compliance with our solicitation to communicate them for the publick good .- What he recommends is the result of careful observation; and its efficacy, besides having been proved by experiment, has the great advantage of being preventive rather than remedial; coming under the old adage-" An ounce of prevention is better than that the three will probably command One Thou-" a pound of cure."

SERVING SPECIMENS IN NATURAL HISTORY " general quotations will be found as nearly correct which has been placed at our disposal by the po- as can be :liteness of ROBERT GILMOR, Esq. and in regard to which the Editor of the English journal in which it appears, says, "The disclosure of the secrets by which this gentlemen has kept in per-fect preservation, the fruits of his arduous and enterprising researches, and retained in the dead animal all the vivid colours the pe feet symmetry and animated expression of the living, must be regarded as an important era in science." This paper will be read with pleasure, and found useful to all persons ford of preserving objects con-The grafts mentioned below, were distributed nected with natural history; to the officers of our science, and to improve the practice of every art, and to augment the knowledge and enhance the "The eight grafts you will receive, are from a profits of the manufacturer and the a riculturist

To the keepers of our museums hich are

nicate, of a nature to interest those who, happily, do not allow their time or their feelings to be The Trustees of the Maryland Agricultural engrossed by the politicks and passions of the

Thursday for the American Farmer.

TOBACCO.

17 On our table this morning, we found a samton on the first Thursday, Friday and Saturday of ple of tobacco equalling in colour and texture, Western Signs of Raines I rare and educable And November next.—The objects for competition any specimen of that article we have ever seen; Meeting of the Tenstees of the and reward, were selected and settled,-and re-land when the quality and the quantity in propor-eiety-Editorial notices-Prices Current, &c.

ferred to a committee to graduate the scale of tion to the whole crop is considered, the planter

The tobacco of this quality heretofore inspectfor Hearth-Rugs. Among the prominent trans- stances a higher price has been obtained, we supactions of the day, Robert Banning, Esq. was pose this hogshead, the growth of the estate of unanimously elected a Memher of the Board to T B. Dorsey, Esq. attorney general of this state, fill the vacancy occasioned by the resignation of brought more money than any hogshead ever sold Dr. Robert Moore.—At a late hour the Trustees in Maryland. It weighed 707 pounds, and sold for

by George Cook, Esq. on Elkridge, brought within a fraction of fifty dollars; but it weighed less than 300 pounds.—We shall be glad to shew the sample before us to any one curious to see an article so exceedingly fine of its kind .- The fibres branching from the main stem through the leaf, are as attenuated as possible, and as yellow as the leaf itself .- Though much depends on firing, and after management, much also arises in the production of such tobacco from the nature of the soil, whereof we should be glad to have a particular description, with an account of its previous natural growth, and the manure applied, if any; though we suppose it was the product of new and unmanured land. We understand Mr. Dorsey has two other hogsheads as beautiful as this, and sand Dollars!!!

Another fine hogshead has been inspected and sold at Calhonn's warehouse this week, price \$30 Our number for next week will also consold at Calhonn's warehouse this week, price \$30 tain "Mr. Waterton's new method of pre-property of Mr. Reducen Hays and the following

> Extra fine yellow, 30 to 45 Fine yellow, . . . 20 to 30 fine spangled, . . . 15 to 20 in demand. Fine red and cinnamon, 15 to 20 Good red, 8 to 12 Good red, . . 6 to 10 Good brown, Inferior, . . . 3 to 5 Seconds, . . . 1½ to 8

Comparing the prices, as ascertained by particular enquiries, of other articles, with our quotations last week, we find nothing worthy of note, except the above memoranda relative to tobacco.

ERRATA—a "The Stud of a gentleman of the oath of Virgin a." No. 5, for "Magician's Sam," read Magicians Plam. No. 55, for out of "Roanoke," read out of Roanoka See No 13.

CONTENTS OF THIS NUMBER.

The climate of the United States, 'as connected with its to fown and country—in this and its preservation. What reasons why the portion last drawn from the cow is always the richest—The Bay Horse, Roundse—Extract to the Editor, dated Montrose, (Pa.) April 5, 1824—Extract dated Fort Osage, Feb. 29, 1824—A cure for Carlemetes— A cure for breakings out, or emptions of the skin, proticularly on children who are much given to them-Camip Poulthe property of the new Mioner much given to them—Cathip Pod-tice; for obstinate alters in the legs, &c.—Economy and safety in onaking Soap—To make Transparent Soap—To entry atte Asparagus—Another Method—Vegetable Unjud to hasten the blowing of Infloors rooted Flower—The Loadon Times on the new Eussian Taniff On Chess—Tee ing Match—Promosals for publishing the Travels of Education

ANNUAL SUMMARY OF METEOROLOGICAL OBSERVATIONS

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1	ravigation open all this month. Patapsco river frovzn below N. Point on the 6th. 1-2 violent snow storm on 30th. [Ice at Balt. 6 in. 3-8 3-8 1-4 on the 22d, 23d, white frosts in the interior. [Tobacco destroyed. 5		

Recurring to the convenient and practical uses ward and associate themselves with us in the purto which a national table of the degrees of heat, suit of agricultural improvement?—It may be oband fall of rain, in the various climates of the jected by some, that they do not feel themselves United States might be applied, we have shown competent to be useful members, as not being in in the preceeding column the form usually given the habit of composition they are unable to com-

For this annual summary of meteorological obser-style, well suited to the subject; and many who vations at Baltimore, for the year 1823, we are may decline to offer any thing in this way, may indebted to that very correct observer and useful make the most useful comments upon the comcitizen, Capt. Lewis Brantz, by whom the pubmunications of others.—It has been well remarklick has been provided through the Federal Ga-ed by Judge Peters, one of the most zealous and zette, for seven years past with monthly and enlightened friends to agriculture in our country, annual tables, accompanied with instructive phi losophical and sagacious remarks, and deductions. These tables have been embodied in separate form, to old and bad habits." Whilst then we invite the and a few copies may perhaps be had at the Federal Gazette Office.

subject in the same light that we have done, and sical novelties" calculated to lead us to a misto whom we may look for the requisite assistance, application of our time and lahour. Our part It will be admitted that the central position of of Virginia, particularly the county of Loudoun, Baltimore, makes it a proper place to concentrate stands high comparatively in agricultural reputhis information, and that under the combined tation; if such superiority exists, our society is forms and national application which may be calculated to give it a more extended usefulness, given to it, it will be appropriately diffused through by submitting its practices to more extensive obthe AMERICAN FARMER, into all the states and servation. To the good farmer then I would say, territories.

-0-COMMUNICATED BY THE SOCIETY FOR PUBLICA-TION IN THE FARMER.

At a meeting of the Agricultural Society of the counties of Loudoun, Fauquier, Prince William, and Fairfax, held in Leesburg, on the states, the growth of their manufacturing establishments, absorbs in a great degree, their capidelivered by CUTHBERT POWELL, Esq., the leading interest; but in ones, agriculture is President of the Society.

The duty which devolves upon me, on this oc-

casion, would be highly pleasing, could I feel my self capable of discharging it in a manner worthy

of you approbat on

Agricultural improvement, is a cause calculated to inverest the finer and the grosser feelings of our nature. The philanthropist contemplates with pleasure, the increased means of enjoyment, thereby afforded to the human family; the patriot the soil, and beautifies the face of the country, sees therein, the growing power and prosperity of his country; the man of taste delights in the improving beauties of the rural scenery; the pital in the fleeting profits of a few year's crops, man of business sees in it the profitable results of but carries with it the pleasing conviction of a a well applied industry; whilst the poor man's still improving capital, whatever may be the heart is gladdened with the abundance with which the "mouth of labour" may be filled. In derived from the reflection, that the portion of the such a cause who can be indifferent? None, certainly should be, for it embraces the interests, and the feelings of all. Our assemblage here that the great, the judicious Washington remarks to-day gives an assurance of an earnest zeal in a letter to Arthur Young, "Was I to com-therein, and a pledge of our persevering exertions to contribute something to the advancement a residence north of Pennsylvania, or south of of an object, which of late has engaged the attention in an unusual degree, of the best and wissess men of our extensive country.—Societies sessing then this happy region, thus distinguished founded with the same views as ours, already ex ist in most parts of the United States, and are country, who knew it all; how ardently should usefully engaged in disseminating a knowledge of we prosecute those improvements which alone the most approved practices in husbandry, and its are wanting, in connexion with its natural adbest implements of labour, and exciting a laudavantages, to give it an undisputed title to the preble rivalry in the improvement of the breed of ference thus expressed. If our society shall redomestic animals, and the fabrics of household ceive that support which the importance of its industry. That such establishments are well object so justly claims, an adequate fund will be calculated to have a happy effect upon our agriculated to have a happy effect upon our agriculation of premiums at an expectation of the distribution of premiums at an expectation of the distribution of the distrib culture, must be admitted by all; that they have already been productive of much good where duced which will effect much, whilst the study they exist, is attested by those who have had an opportunity of witnessing their influence.—May will enable us to bring together a mass of infor-we not then with confidence invite the practical mation, tending to the happiest results. Much farmers of our country generally, to come for, of this kind of matter has been embodied by oth-

to such observations made at particular points.

To answer our general purposes, some heads of society.—The excuse is not sufficient—many that observation here given might be omitted, though will urge it, are very capable of communicating the more full the more satisfactory of course, the most useful information in a plain farmer-like and a few copies may perhaps be had at the Ferral Gazette Office.

It remains now for us to find those who view the observing farmer as freely to assail all "whimcome and give us the benefit of your superiority; to the bad, come and learn to do better; to all, come, for although some of you may not believe me, yet I must be permitted to say, we have all something to learn, and something to reform.

the leading interest; but in ours, agriculture is, and must be the predominant concern. Equally exempt from the long winters of the north and the scorching heat of the south, we are placed in that happy latitude, where grain and grass alike flourish, and where convertible husbandry may be most successfully prosecuted.—A system, which unlike the cultivation of cotton and to bacco, keeps up and improves the fertility of whilst it diffuses plenty and cheerfulness around. -A system which does not dissipate landed caby the emphatic preference of the father of his

husbandry, which particularly calls for reflection and the suggestions which he makes from them, of grain and grass, through its influence, we erroniously concluded that nothing more was neceshalf its value is lost in the atmosphere before it whilst our barn yards afford not the means to supply the deficiency. But if for this unprofitable course, we substitute to such extent as we may find convenient and practicable, the soiling system in summer, or the feeding in stalls or pens with green food cut and regularly supplied, and must even admit the converse, and say, the more is the opinion of many observing farmers amongst us, and in this opinion I have myself been in a great degree confirmed, by my experiments made in the last two years, and marked with precision. upon various crops of grain and grass on my own farm, where plaster has been long, abundantly, and successfully used. To this magical powder, as it has been called, we owe much notwithstanding our errors, and probably continue to enjoy its effects of a new application may have become imperceptible, because of the continued operation of

ent parts of the Union, and much has been communicated to the public through that valuable paper the "American Farmer," but there are peculiarities in every district of country, which prevail elsewhere.

Induction of animal substances, and the decomposition of animal substances, and the chemist and the agriculturist still remains to decomposition of animal substances, and the coveries out stripped all other sciences in modern times, may yet give us in this, and other matters periments on this subject," says this celebrated connected with agriculture, more perfect information of the common of the composition of animal substances, and the composition of manure. I have tried some experiments on this subject, "says this celebrated connected with agriculture, more perfect information of the composition of manure. I have tried some experiments on this subject," says this celebrated connected with agriculture, more perfect information of the composition of manure. I have tried some experiments on this subject, "says this celebrated connected with agriculture, more perfect information."

The experiments of Sir Humphrey Davy, it is called the chemist and the agricultures still remains to decomposition of animal substances, and the chemist and the agricultures in the chemist and the agricultures that a connected with a griculture of the chemist and the chemist a ent parts of the Union, and much has been commineral, although long the subject of inquiry with used, is likewise a circumstance hostile to this municated to the public through that valuable the chemist and the agriculturist still remains to idea. It has been said that gypsum assists the and experiment. The successful application of although in opposition to the doctrines advanced theories which have been adverted to. If gypsum gypsum, or plaster of paris, to our lands as a by other chemists, are entitled to great respect, acts by the attraction of moisture, that effect we manure, for the last twenty-five years, has con-tributed doubtless to the improvement of the soil, the Board of Agriculture in England, states the and the prosperity of the owners; but it may be result of his analysis of soils and vegetables, with well questioned, whether we have made the most a view to this subject amongst others; and from a dry season. But unfortunately this is not so. of the benefits which it offered. I mean in this, which he adopts the opinion that gypsum forms a Nor can we well conceive, according to this docthat whilst we drew from the land increased crops part of the food of plants; "as," he remarks, trine, why all lands, in such seasons, should not those plants which seem most benefitted by its be benefitted by it; but experience shews that on application, are plants which always afford it on some, and amongst them the most arid, it never sary to the continuance of those crops, than the analysis; clover and most of the artificial grasses acts at all. So too, with respect to the other continued application of it. The consequence of contain it, but it exists in very minute quantity in mode of action attributed to it, the decomposition this error has been a most wasteful neglect of the barley, wheat, and turnips." Again he says, "in of vegetable matter. If it was by this power that manures produced upon our farms, and a still general, cultivated soils contain sufficient of this it effected its wonderful works, we should find a greater, of the means of making more, which a substance for the use of the grasses; in such cases manifest operation upon every application of it to indicious husbandry would have carefully regardits application cannot be advantageous." In most a new mass of vegetable matter committed to the ed. I consider this as the most prominent defect of the counties of England, he informs us, gyp-earth; but such is not our experience. Nor does in our agricultural habits, in the county of Lousum had failed in shewing any effect; and in such this theory accord with the fact before mentiondown more especially, and in which I hold myself cases he found, on examination, a sufficiency of it ed, that in some soils it acts not at all, whatever equally culpable with my neighbours. The Eng- in the composition of the soil. If these facts be pabulum you afford it. lish maxim of the more cattle the more fertility, truly stated, will they not justify the opinion, that is true alone under a judicious management, but it is certainly untrue as we have gone on. Our been so successful, have been naturally deficient has been so intimately connected with our agristock of domestic animals has been enlarged action that material of vegetable composition, and cultural improvements for the last twenty-five cording to the increased growth of our pastures, their powers of production thereby circumscribed; years, and which, from the new aspects it has and to the utmost extent in which those pastures because in the workshop of Nature, like all other recently presented, invites pressingly to reflect summer, they have been permitted to trample the fields and waste their manure, perhaps in wood-other manure, perhaps in wood-ot lands to which they retreat for shelter; or at best use of plaster has removed the natural defect, and ready received more than present use requires, to scatter it upon the surface of the ground, where thereby brought into action the other productive we may then save ourselves for some time, the materials of the soil, which could not be wrought expense and tabour of a further application of it, is ploughed in. In fields thus trodden and grazed up without it, may it not be, that a course of luxu- whilst our eyes will at once be opened to the neto the quick, the plough can return little of vege-table matter to the soil to renovate its powers, cess of the other materials of vegetation, which the resources for manure, which our farms may had been retained by the earth, and thereby done afford .- Annual experiments with plaster, upon away, or lessened, the occasion for the further a small scale, on our grain and grass, will indicate artificial supply of that material which was orition us the time to renew its use. There is no ginally defective. Should this suggestion be cor- subject which seems to have engaged more atrect, it would seem to afford a solution of the tention in agricultural inquiry, lately, than the difficulty, attendant on the inquiry why plaster, proper rotation of crops, and there is none more in winter universally the feeding in pens with pro-tection from the weather, and a free use of litter; rates with less power. The bountiful supply of then may we say with the English farmer, the a defective material, united to the accumulated present occasion, were I even able to offer you more stock the more fertility; without this change, excess of others, which could not be used without any new views in relation to it. I shall only obat least so far as relates to winter feeding, we can lay no claim to the benefit of the maxim; nay, we ducts, beyond their natural average powers, and that certainty and abundance which attended to which they have thus been again brought back, their first culture, it may well descrive experistock the more impoverishment. This neglect of the means of imparting permanent fertility to our by all our farmers, that the crops of clover, the other of the artificial grasses, may be occasionlands, is now the more obvious to us, when we vegetable which yields most gypsum on analysis, ally substituted for it; ever bearing in mind, discover that the mere application of plaster, with-out manure or vegetable matter returned to the its first application. But whilst the effects of the various vegetable products, for the equally soil, is insufficient for that purpose, and that plas- plaster, at first so extraordinary, are no longer various living creatures which feed thereon, so ter itself has ceased to produce any visible effect visible on a new application, we are not necessa- has he furnished to mother earth, that variety of upon vegetation, on land where it has hitherto rely been long and freely used. That such is the fact, operate. In supplying what was wanting we may sue then the order of nature, by giving as much have been over-abundant in its use, and the soil variety to our culture, as is consistent with our where it was once deficient, may have an excess wants.—To the success of the farmer, good tools of it, which is yet not lost, but remains to supply are indispensable; and the artist who makes any the limited demands of vegetable production, improvement therein, should receive our patron-This theory, with respect to the operation of gypsum, may be the more readily admitted, from the aid from the mechanic arts, in the formation and difficulty of maintaining the most popular nations improvement of the implements of labour.-Unwhich have prevailed upon the subject. "It has til the axe, the hoe, and the plough were thus been supposed," says Sir H. Davy, " to act by its produced, how awkward and inefficient were the benefits though in diminished measure, after the power of attracting moisture from the air; but labours, how helpless, how hapless was the conthis agency must be comparatively insignificant; dition of man :when combined with water it retains that fluid too that hitherto applied, in quantity more than suf- powerfully to yield it to the roots of the plants, ficient. The mystery which has hitherto enve- and its adhesive attraction for moisture is too in-

ers acting with like views as ourselves, in differ-loped the mode of operation with this powerful considerable. The small quantity in which it is

age. Agriculture has in all ages, derived great

" And still the sad barbarian roving mixed

"With beasts of prey; or for his acorn meal "Fought the fierce tusky boar; a shivering wretch"?

plough, perfect in its kind, is eminently calcula- ever course of things has a tendency to draw from and to me has always been accompanied by an tive talents and its wealth, is injurious to its best association of ideas peculiarly pleasing, display- interests, and should, as far as possible, be couning the triumph of mind over matter, and man's teracted. 'Tis a tendency of things not only undominion over the earth, and the capacity im- favorable to the interests of agriculture, but also parted to him in mercy by his Creator, to miti- to the duration of our republican institutions. In times, and especially in our own country, to dission of benefits from that quarter.

To descant upon the advantages of a good stock of domestic animals over the inferior, would be with you, gentlemen, an abuse of your attention. The public displays which our Cattle Shows will call forth, will do more to impress upon the spectators the importance of these advantages, than any exhartation which could be offered, whilst opportunities will be thereby af forded of extending more widely, the knowledge and the use, of the most approved breeds. And so too with respect to household fabrics, the emulation excited by public exhibitions, will do much for their improvement. And whilst we have little reason to expect, at the present time, the erection of large factories amongst us, and perhaps as little to desire it, yet it must ever be pleasing to see the substantial, and often beautiful products of female industry, wrought in the hosom of the family, held in proper estimation .-Happy emblems of domestic comfort, peace, and purity !- For excellence in these, we shall take a peculiar pleasure, I am sure, in the distribution of premiums; and the more, that they make no demands upon the public treasury for bounties to support them, they make no clamour at the doors of congress for alterations of the tariff, they seek not their prosperity by the oppression of other branches of industry.

mental research as to the means of improvement, with their own immediate concerns, will be no ed, or improperly treated, the matter will con longer exerted to defend them against the encroachments of an unequal legislation, or the arts of the withers will ultimately become carious or ed with the structure of the horse's foot, it may of interested and designing politicians. However rotten. It is in this stage of the disease that the appear as a mass of horny insensible matter;

The subversion of the sod, by a fine bar-share intelligent a farming community may be, what-horse is often brought to the veterinary surgeon. ted to impress us with a sense of this obligation, the country to the city, a great portion of its ac-

dance, shall await him.

- "All is the gift of industry; whate'er "Exalts, embellishes, and renders life "Delightful."

DISEASES OF DOMESTIC ANIMALS AND THEIR CURE.

the horse's withers, or top of the shoulder, com- tow, fastened to the end of a probe, or stick. It monly produced by a bruise from the saddle, is accessary to prevent the mixture from flowing their prosperity by the oppression of other When a horse is ridden with the fore part of the over the sound parts, as it would not only take off saddle constantly bearing on the withers, inflamthe hair, but cause inflammation and ulceration of the hair, but cause inflammation and ulceration of matical and swelling will generally be the consecutive skin. This precaution should be observed which give interest to the cause in which we are engaged. To impart dignity to the profession of accident to happen; he will examine the saddle be used, as well as to the acrimonius matter, agriculture, to raise it to its proper rank in relabefore he gets on horseback, and if he finds it too which the fistula discharges. I have generally tion to other pursuits, it is necessary that it be close upon the withers, cause it to be altered, succeeded in protecting the parts over which the cultivated, as a science, as well as an art. The Should it not be perceived at this time, on account matter flows, by washing them once a day, and cultivated, as a science, as well as an art. The Should it not be perceived at this time, on account matter flows, by washing them once a day, and mind of man requires occupation as well as his of the saddle being girthed pretty far back, but smearing them over with lard. One circumstance body, and wherever the business of the cultivator get forward during the journey, and press upon it is very necessary to attend to in the treatment shall remain a dull routine of manual labours ac-cording to established habits, without reference to the principles upon which they are founded, or mal suffers from it, which is sometimes so con-the obstacle should be immediately removed; siderable as to cause him to fall; and as soon as either by laying it completely open, or by making the ambition and talents of the community will he gets to the end of his ride, will have the part an opening in the most depending or lowest part, generally seek distinction in other walks of life, frequently bathed with some Goulard's extract, so as to allow the matter to run off freely. and give the weight of their influence to the sup-vinegar and water, or the cold saturnine lotion, sometimes find the edges and sides of the fistulcus port of other interests in society. To such, the the formula for which is given in the preceding sore considerably thickened; and if we examine cities will hold forth the strongest temptations, article This will soon remove the inflammation; this, it will be found a diseased production: I and thither will they mostly resort, with the ex ception of those who may be employed in the the horse may again be ridden without inconve- in fistula, cut out a large quantity of this thickcountry at the bar, or upon the bench in the ad nience. It too often happens, however, that the ened matter; and have always found considerable ministration of justice. And thither too will men rider is not so considerate, but by a repetition of advantage from it. When the bones of the with-of wealth and information be generally drawn, to the injury violent inflammation ensues which often ers are exposed, and feel rough, they should be seek in society that excitement and mental occu- extends to the bones and ligaments of the withers, scraped with a drawing knife, or other convenient pation, which the country life, divested of its proper charms, is not calculated to afford them. Their money and their talents must in such case be lost to that community to which they properly belong, and the influence, which their leisure have spread either towards the mane, or the convenient of the winners, scraped with a drawing-knile, or their convenient The swelling increases; suppuration follows; instrument, and then covered with a pledget of the winners, scraped with a drawing-knile, or their convenient The swelling increases; suppuration follows; instrument, and then covered with a pledget of two or line that has been dipped in tincture of myrrh.

Ely The sheep-fly abounds most in the southbelong, and the influence, which their leisure have spread either towards the mane, or the convenient towards the winners, scraped with a drawing-knile, or their convenient towards the winners, scraped with a drawing-knile, or their convenient towards the winners, scraped with a drawing-knile, or their convenient towards the winners, scraped with a drawing-knile, or their convenient towards the winners, scraped with a drawing-knile, or their convenient towards the winners, scraped with a drawing-knile, or their convenient towards the winners, scraped with a drawing-knile, or their convenient towards the winners, scraped with a drawing-knile, or their convenient towards the winners, scraped with a drawing-knile, or their convenient towards the winners, scraped with a drawing-knile, or their convenient towards the winners, scraped with a drawing-knile, or their convenient towards the winners, scraped with a drawing-knile, or their convenient towards the winners, scraped with a drawing-knile, or their convenient towards the winners, scraped with a drawing-knile, or the winners, scraped with a drawing-knile, or their convenient towards the winners, scraped with a drawing-knile with the convenient towards the winners, scraped with a drawing-knile with the coverest towards the winners, scraped with a drawing with the conve would have rendered valuable in the cause of back, or downwards, in the direction of the shoul- to lambs. The most effectual way of protecting those who, from necessity, are more engrossed der blade. If the disease, after this, is neglect-them from the insect is to smear the fleece with

When tenderness and swelling are observed on the withers, the part should be frequently bathed with the Goulard mixture, or cold saturine lotion before mentioned; but if this do not remove the inflammation, and if the swelling appear to increase, suppuration may be expected, which should then be promoted by poultices. When the gate by his ingenuity the severity of the primi- every community, wealth and talents will have their abscess has become soft, and the suppurative prative curse pronounced upon him, when he was influence, and these when long associated with the cess appears to be complete, an opening should told of the earth, "Thorns also and thistles shall luxury and splendour of city life, cannot be relied be made in it with a lancet; and as soon as the it bring forth to thee;" "and in the sweat of thy upon as the advocates of republicanism, whose matter is discharged, a probe is to be introduced, face shalt thou eat bread." We have reason to proper associates are simplicity and frugality; in order to ascertain how far, and in what direction, from the peculiar direction of talent in our whose best defenders are virtue and intelligence, the disease has extended. If the matter has To horrow an emphatic expression from Cow- penetrated, and formed sinuses either forwards or covery and improvement in labour-saving machi- per, "God made the country, and man made the backwards, they should be completely laid open nery, that agriculture may yet derive an extention." Let us strive then, as well from patriotism with the knife; and the most convenient instruas from personal interest, to give to the country, ment for the purpose is the straight, probe pointas far as our power extends, all the charms of ed bistoury. If the matter is found to have penewhich it is susceptible; by exciting each other, trated downwards in the direction of the shoulder, and the community at large, to a liberal emulation a seton may be passed through the sinus, from the in study and in labour, and by a free interchange opening above to its lowest part; taking care that of the results of our experiments. And finally, the lower opening is sufficiently large to allow the gentlemen, let me remind you, that however per matter to run off freely. The first dressing should fect our theories, they can avail us little without consist of some mild caustic, or rather escharotic diligence in the application of them. The farmer, preparation; but in obstinate cases of long stand-like the elements with which he co-operates in ing, the stronger caustics are often found necesthe work of production, varying his agency as the sary. In this first stage of the complaint, perhaps various year rolls on, must yet be incessant in the ointment of nitrated quicksilver, mixed with action. But if his labours are great, so also shall oil of turpentine; or a strong solution of blue vibe his reward; the triumphs of superiority, the triol, with the addition of a little muriatic acid, pride of independence, the solid comforts of abun- will be found to answer the purpose. When the sore begins to assume a healthy appearance, milder applications are proper. In the more inveterate cases of fistula, butter of antimony will be found an active and useful preparation; and in such cases, a preparation termed the scalding From White's Dictionary of the Veterinary Art. consists of any fixed oil, (as lamp oil, or train oil,) spirit of turpentine, verdigris, and sublimate. These are put into an iron ladle, and made nearly boiling hot; and in this state the mixture is to be Fistula of the Withers .- An obstinate disease of applied to the diseased parts, by means of a little

it plates of iron, It will be found, however, to be it is firmly united by ligaments. a very complicated piece of animal mechanism; but admirably calculated for sustaining the im mense pressure and concussion, to which it is almost constantly exposed. The horse's foot may be considered under two heads; the sensitive and horny parts: the former consists of bones, ligaments, cartilages, membranes, &c. each of which great pastern and the sesamoid-bones. It articu-tendon; the wide part of the frog projects consipossesses numerous blood vessels and nerves; and is, therefore, susceptible of inflammation and view the fore leg of a horse, (particularly when heels, and, taking a turn forwards, is blended pain. The horny part, on the contrary, is void the other is held up, that more weight may be with the coronary ligament. At its widest or of sensibility, and serves principally as a defence sustained by the leg we examine.) the straight or posterior part, there is a considerable distance to the sensitive parts which it covers: it is enperpendicular direction or position of the limb between the sensitive frog and the flexor tendon, dued, however, with considerable clasticity, which from above to the fetlock joint, and its obliquity the intermediate space being filled up with an enables it to yield, in some degrees to the impulse or slanting position thence to the foot, can scarce-of the internal or sensitive foot in the various ly escape observation. From this examination it the frog is capable of considerable motion, when motions of the animal. From this view of the may be readily conceived, what astonishing spring it receives the pressure of the horse's weight, subject it will be obvious, that if by any means a the animal must acquire by having his limb so which it must do when its horny covering is in disposition or tendency to contract or shrink be formed; and what strength must be possessed by induced in the horny covering or hoof, the inter-the ligaments of the fetlock joint, to enable it to frog becomes wider and is forced upward when nal sensitive foot will be more or less compressed: maintain its position, under the immense weight and if the horny matter lose its elasticity, the it has occasionally to sustain. sensitive foot must suffer from concussion. So 7. There are two elastic bodies attached to the ed; the lateral cartilages, and the lateral portions wisely, however, is every part of the foot con-upper, anterior, and lateral edge of the collin-of the coronary ligaments. These, being cover d trived, that when it is properly managed by the bone; they are named Lateral Cartilages. They by the flexible horny matter at the top of the hoof groom, judiciously pared and shoed by the smith, occupy all the space between the extensor tendon, or coronet, must necessarily have the same effect and when the horse is employed only by a humane and the back part of the sensible frog. They exupon it: thus it is that when the horse is in motion,
and considerate master, it may generally be pretend upward about three inches: anteriorly they
there is a certain degree of motion in the heels served in a sound state perhaps as long as other are convex, resembling, indeed, the shape of the and quarters of the hoof at the higher parts, or parts of the body. I am aware that a different hoof; and their posterior or concave part is filled where the horn is flexible. opinion is held by some eminent veterinarians; up with a substance resembling fat. The lower 12. The Sensible Bars, 1 particularly by Mr. Bracey Clarke, who considers part of these cartilages is covered by the hoof.

contraction of the hoof, and a gradual loss of elasticity, as unavoidable consequences of shoeing.

ticity, as unavoidable consequences of shoeing.

the floatic Membranes or Laminæ cover all the front and lateral surface of the coffin bone, at the lateral surface of the coffin bone, whence they conceive, however, that if one old horse can be the extremity of which they turn off at an acute pass obliquely forward to the suces of the sensitive produced, say from twelve to twenty years old or angle, stretching forwards to the side of the senmore, whose feet are sufficiently sound to enable
him to continue his labour without inconvenience, the Sensitive Bars. The laminæ are elastic, and

13. The insensible part or hoof of the horse
corresponds exactly in shape with the sensible the truth of Mr. Clarke's position will at least very vascular; they are said to be about five hun-appear doubtful. It must be admitted that old horses, like old men, have not that ease and free-tween corresponding laminæ in the hoof; but there covers; and has the same relation to them as the dom of motion, which they possessed in their is a material difference between them. The layouth; and that their feet, like all other parts minæ of the hoof are void of sensibility, possessof the body, are subject to disease from various ing neither blood vessels nor nerves; they appear causes, even in a state of nature. I have seen to be very thin plates of horn, and are probably for a few days, or until the sensible foot can be several colts with diseased frogs and contracted secreted or formed by the lamina of the coffin-hoofs, that had never been shoed; and many old bone. These two kinds of lamina form the con-view may be obtained of both. Those parts of horses, from twelve to twenty years old, that have been described, but have continued sound and serviceable. I now and so strong is their union, that it is found important the sensitive foot that have been described, but proceed to a brief description of the different possible to separate them without tearing or parts which constitute the horse's foot, including stripping off the sensible laminæ from the coffinin that description the pasterns, canon, and sesa-bone, unless the foot is macerated in water, or whole.

1. The Coffin bone, which somewhat resembles attempted. the hoof in shape, is remarkable for containing 9. The Coronary Ring or Ligament is a vascu- The upper part of the crust, where it joins the the two principal arteries which supply the foot; lar substance, situate at the upper part of the skin, is named the Coronet; the lower part in

tendon is inserted or fixed.

2. The Nut bone is in shape not much unlike a 10. The Extensor Trndon is fixed or inserted weaver's shuttle. It is interposed between the lnto the upper and front part of the coffin-bone; insertion of the tendon further from the centre of part. motion; having a polished surface constantly

nary bone, strongly attached to it by ligaments.

kept in a moist state for some time before it is

they enter the lower and back part of the bone elastic lamina; it projects considerably, and ex-front, the Toe; the sides of the crust are termed immediately under and behind the termination of tends round the coronet; and is lost in or rather the Quarters; the quarters terminate in the heels, the flexor tendon. The arteries give off several blended with the posterior part of the sensitive and the heels are connected with the frog. All branches within the coffin bone, which pass out from the hoof, the coronary ring appears to be that has been already noticed, at its upper part distributed over its surface. The coffin bone is covered with delicate red filaments; and in the for the reception of the coronary ligament, is connected with the coronary or small pastern circular groove or cavity at the upper part of the covered by a beautiful laminated substance, which bone, and with the nut-bone. Its anterior and hoof, in which the coronary ligament is contained, resembles the under surface of a mushroom. lateral surface is covered by numerous blood vesthere appear to be corresponding orifices, into These are united or interwoven with other lasels, and the sensitive lamina or elastic mem-which probably the filaments are received. The mina, already noticed, which cover all the anbranes. The under surface has also numerous hoof is first formed by the vessels of the coronary blood vessels; great part of it is covered by the ligaments; but, as it descends, or grows down sensitive sole, and at the posterior part, the flexor becomes thicker and stronger by the additional

weaver's shuttle. It is interposed between the lnto the upper and front part of the coffin-bone; horse's weight. They appear to be of a horny flexor tendon, and the other bones, to remove the and the flexor tendon into the under and posterior nature, and, like the hoof, void of sensibility,

m stened by a sippery fluid resembling joint oil, point is towards the toe, whence it becomes graover which the tendon passes immediately before dually wider and larger; it is divided by a cleft in
its insertion into the coffin-bone.

The frog is conover which the tendon passes immediately before dually wider and larger; it is divided by a cleft in
its entre towards the hind part, by which it is wedge in its form, but towards the heel, where

particularly when he sees a farrier cutting off 3. The Coronary or Small Pastern-Bone rests enabled to expand or become wider when exposed large slices of it with his butteris, and nailing to both on the collin-bone and the nut-bone; to which to pressure. The sensitive frog is made up of cartilaginous and fatty matter, and possesses con-4. The Great Pastern-Bone rests on the coro-siderable elasticity; its fore part rests on that part of the flexor tendon which passes over the nut-5. The two Sesamoid-Rones are placed at the bone; and on that which is inserted into the coffinupper and posterior part of the great pastern; to bone; from this part its cleft or division commenwhich they have a strong ligamentous attachment, ces: only a small portion, therefore, of the sen-6. The Canon or Shank Bone rests both on the sitive frog rests on the coffin-bone, and flexor lates with, and moves easily upon them. If we derably behind these, forming the bulbs of the ence on the elastic parts with which it is connect-

12. The Sensible Bars, I have before observed,

The hoof consists of the wall or crust, the sole, the frog, the bars, and the insensible laminæ. terior and lateral surface of the sensitive foot; forming, as has been before observed, a very secure kind of union between the crust and the internal foot. The laming of the hoof are clastic, and yield in a small degree to the pressure of the being a secretion or production of the sensible la-11. The Sensitive Frog resembles a wedge, its minx. The bottom of the hoof is formed by the

it becomes wide and expanded, there is a cleft or removing the worns throughout the spring, sum four hundred trees, was first tried about three contact with the ground, I have already explained method of preventing the access of the insect the effect that must be produced upon the flexible In order to accomplish this last intention, it was parts of the heels and quarters of the crust. The necessary to observe it in every state of its probars are of the same nature as the crust, of which gress—in other words, to make myself acquainted the butt end of the proning knife against the bark they appear, indeed, to be a continuation, as the with its natural history. To the mere entomolosensible bars are of the sensible laminx. The gist, this would not have been a hard task; but ly, and no gum nor moisture issues, a thin coat of crust at the heels appears to take a sudden turn, the vigilant attention it required, made it incomso as to form an acute angle; and then passes patible with other duties, and I could only expect both above and beneath the surface, by a brush obliquely forward on the under part of the hoof to arrive at the object in view by slow degrees. towards the toe, or rather the side of the frog: it I had succeeded more than two years ago is these inflected portions of the crust which are procuring several aurelias, but these having ac-

I have now finished the brief description I proposed to give of the horse's foot; to which the which they were confined. Last summer I enreader may refer, if he find any difficulty in compehending the explanation that will be given of except two—one of which escaped, the othits diseases, and of the principles and practice of er I secured. The species does not appear to be above the surface; draw earth, divested of grass shoeing.

TO THE EDITOR OF THE AMERICAN FARMER.

ON THE PRESERVATION OF PEACH TREES. Baltimore, 4th Month, 18th, 1824. Respected Friend.

Agreeably to thy request, I now communicate band. a few brief remarks upon Peach Trees, and the simple method which I have so successfully tions of such insects as prey upon their roots.

leaving the cortex and epidermis, as a covering and defence. Having carefully removed these composition, and left them-consoling myself with adequate. the reflection, that they were safe during the season at least. On returning home after an ab | I have applied with complete success to nearly sence of about six weeks, I hastened to examine into the condition of my trees, when lo! I per-ceived with chagrin and dismay, a young and vo the tedious, fatiguing, and difficult practice of the worms from one.

separation in the middle. When the frog is in mer, and autumn, or endeavour to find out some

I had succeeded more than two years ago in complished their final transformation, had all es in width, according to the size of the tree and described in Linneus, but according to his system, or rubbish, to the tree, pressing it with the foot it belongs to the order Hymenoptera, genus Apis. close to the matting. The insects governed by It may with propriety be named *A. Persica to instinct, will not lay their eggs in the matting, which I shall annex the following description.

Shining Black-blue. Thorax ferruginous. Wings violet blue.

Abdomen blue, with one interrupted yellow

Legs and antennæ black.

adopted, of defending them from the depreda- of these insects having assumed the winged state, that portion of the bark only of which the inte-As the peach is generally admitted to be the beneath the surface; first wounding the bark in the object of pursuit, which must be removed most wholesome and delicious of all our fruits, and different places, which on examination, appears and killed. Having in this manner extirpated all as its cultivation has been recently very precato have been effected by a blunt pointed instruto have been effected by a blunt pointed instruthat are to be found, trim the edges of the
ment. They leave from one to fifty, and in some
doned in various sections of our country where it
instances, nearly three hundred eggs in each
composition consisting of two parts of fresh cow had heretofore flourished, I had resolved several tree, according to its size, and capacity to sup-dung, one part of leached ashes, to each gallon of years ago, to devote such time as I could occaport the future progeny:—These soon appear, which add a handful of ground plaster of paris, sionally spare, to investigate the cause of the but it is difficult to detect them until they have and as much water as will reduce the whole premature decay of the trees, and above all, to acquired a growth of two or three weeks, when mass to the consistence of thick paste—spread a devise the means of securing them against the evil, they are four or five lines in length.—From this thin coat of this composition over the part to be Being particularly desirous of preserving some period their growth is accelerated or retarded in covered, and then apply the bandage as before young trees of rare kinds, which had survived proportion to the quantity of nonrishment afforddirected.

many others that had been very thrifty, I concluded to commence with them. On a careful careful the 10th month, (October) in the most wounded trees, exceedingly and materially retard in length, cream-colored, with a chesnut-brown, and transformation in course of the 7th month, and somewhat depressed head. They had per[July]. Thus there are two periods in each year tion, an account of a discovery which I made last forated the bark, generally about one inch be-assigned for their production and re-production; summer, respecting the premature decay of Pear nevertheless, individuals may be seen during the trees, the cause of which had been involved in an

that most of the methods hitherto recommended I shall reserve that, and several other topicks, worms, and every thing that might retard the healing process, I applied some of Forsythe's inefficient, and the best of them uncertain and in-

The mode I shall here recommend, and which

* When and in what manner these insects were introduced amongst us, has never, that I know of, racious colony of the same kinds of worms, lay- been understood .- I think, however, there can be ing waste what had been left by their predecesno doubt of their having been brought from the
sors. This fact demonstrated the inefficacy of
Northern and Eastern nurseries, for I never had the method heretofore recommended, of remov- a young tree from thence, that was not infested ing the earth from about the roots during winter. by them. All young trees, therefore, should be In the present instance, the ove must have carefully examined about the close of the 4th, or been deposited about the commencement of the early part of the 5th month, (May) after which it eight hmonth (August); for the larva were five will only be necessary to renew occasionally This eighths of an inch in length. It was evident will be a great saving of both time and labour, as nairy; flowers in loose terminating spikes, small, from this discovery, that I must either continue it is easier to secure twenty trees, than to remove of a dirty white colour; seeds ovate acuminate,

years ago, embraces both prevention and core, and is as follows:

Remove the earth from about the trunk of the tree quite down to the lateral roots, press with in different places; if it appears to adhere firmthe composition described below, may be applied or wooden spatula, about two inches broad.-Then take Canton Matting, (or any other similar substance) cut into pieces of from 6 to 12 inchescaped through an aperture in the vessel in of sufficient length to encircle it; bind one of but will seek elsewhere for a situation congenial with its habits. If, however, there is a clammy moisture or portions of gum adhering to the main stem or roots, these should be regarded as almost certain indications of worms-every opening or aperture, however minute, should be carefully probed, and the direction taken by each worm as-About the close of the 7th month, (July) many certained :-cut away with a sharp pruning knife, soon after deposite their eggs in peach trees, just rior part has been destroyed, until you arrive at

examination of the leaves, branches, and trunk, of a conglomeration of gum, fibrous and excretheir recovery, I would recommend the part to nothing was discovered that could have caused mentitions matter, and about the close of the be washed with common white wash, and a little the trees to assume an aspect so sickly; on removing the earth, however, from about the roots, I perceived a plentiful exudation of gum, from I perceived a plentiful exudation of gum, from the instance of the same tribe, in the the 4th month, (Apterbar) are the roots of the same tribe, in the the the month, (Apterbar) are the roots of the same tribe, in the the followers are the roots of the same tribe, in the the first of the roots of the same tribe, in the the followers are the roots of the same tribe, in the the first of the roots of the same tribe, in the the first of the roots of the same tribe, in the the first of the roots of the same tribe, in the the first of the roots of the same tribe, in the the first of the roots of the same tribe, in the the first of the roots of the same tribe, in the the first of the roots of the same tribe, in the the first of the roots of the same tribe, in the the first of the roots of the same tribe, in the the first of the roots of the same tribe, in the the first of the roots of the same tribe, in the the first of the roots of the same tribe, in the the first of the roots of the same tribe, in the the first of the roots of the same tribe, in several minute apertures, which being opened by the pruning knife, displayed the lurking destroythe pruning knife, displayed the lurking destroyThe larvæ appear in the 4th month, (April) asperiods, for those accustomed to it, to begin the
sume the Nymph state, and accomplish their fisearch.

neath the surface of the earth, and were devouring voraciously both the alburnum and liber;
whele season, in almost every stage of existence, impenetrable mystery—but as this letter has al-From these facts the inference is irresistible, ready extended to a length not at first anticipated,

I am respectfully, thy friend, EVAN THOMAS, Junr.

FROM THE ARCHIVES OF USEFUL KNOWLEDGE, By James Mease, M. D .- 1811.

ON SESAMUM, OR BENE PLANT.

There are three species of sesamum, s: orientale, s: indicum, and s: luteum. It is only of the first species that I shall speak. It is an annuil plant, rising with an herbaceous erect stack about three feet high, sending out a few short side branches, leaves veined opposite and a little compressed a little, smooth, whitish.

It is highly probable that the Sesamum plant tivation of cotton, would not permit those who had after the settlement of that part of the country; and there can be no doubt of the plant having been continued by them, for the purpose of adding to the various articles of vegetable aliment, colate.

The first public notice taken of the superior oil which the seeds yield, was by the late Mr. Morell of Savannah; who, in a communication to the American Philosophical Society, in the year 1769, and published in the first vol. of their Transactions, in 1771, observes that "the seeds make oil equal in quality to Florence, and some say preferable. Some say, one hundred weight of seed will produce ninety pounds of oil, others say less.* Romans† says, Capt. P. M'Kay, of Sunbury, in Georgia, told him that a quantity of the seed sent to Philadelphia, yielded him twelve quarts per bushel." This account has been confirmed by others.

and placed them in the hands of B. M'Mahan, nursery and seedsman, for gratuitous distribution, oil, and also the utility of the leaves in dysentery,

Within two or three years, Mr. Few, of New York, but formerly of Georgia, commenced the business of expressing the oil for sale:-I have used part of one bottle, two years old, for sallad, during the last year, and can say with safety, that tasted. Several bottles of it were also used at the table of the late President Jefferson during the last year of his administration, and much adproved of. The oil is clear and light colored, and somewhat thinner than olive oil. It has air. The remains of the bottle used in my family last year, are now as sweet as when it was opened. This quality was long since remarked by Romans, who adds, that the second expression, which is procured by the addition of hot wapungent taste, but soon loses that. Last year 1 received a half rice tierce of the seed, which I sent to Mr. Garnet of New Brunswick, to press, and hope soon to receive the oil from him* Should it prove equal to that which I now have, I will use no other as an article of diet.

When we reflect upon the immense quantities of every species and quality of oil which are con-sumed in medicine, diet and the arts, we cannot entertain a doubt of the ready and extensive sale, and profit that would attend the cultivation of the Bene Plant.

Hitherto, the great profit attending the cul-

* A key of he seeds was sent to the Society by Mr. Morell, but no attempt was made to culti vate the plant.

† A count of Florida, New York, 1775.

f We have to lament the death of this distin guished Philosopher, and excellent man.]-Edit. tivation of the plant.-Edit.

was introduced into S. Carolina and Georgia, by land fit for it, to listen to the suggestion of the the African negroes imported at an early period probable advantage to be derived from any other crops; but the circumstances of the world are used to cut it down; the early morning after a now changed. The great tracts of our country at heavy dew, or a misty day, should be chosen, to present devoted and devoting to the cultivation of cotton, added to the political situation of the old as corn, sweet potatoes, and rice, of which their world, has lessened the demand for the article diet chiefly consists. They also parch the seeds, and consequently diminished the price of it. The and after bruising them in a mortar, make them late embargo too, which the unjust conduct of into soup, which they season with salt and pep-the warring powers of Europe forced the American per. The seeds parched and ground with an government to adopt, and which deprived them of tended to, otherwise great loss will be sustained equal quantity of cocoa, make an excellent cho- our cotton, induced France to grow it largely in her southern regions, and to stimulate the Ita them to the barn from the field, care must be talians to a more extended cultivation of it than ken to have the carts tight, in order to save the hitherto. In the last expose of the situation of seed which may shell out; and if a coarse cloth the country by the minister of the interior, it is be spread on the bottom, the quantity of seed sasaid hopes are entertained that France and Italy ved would be much increased. will be able shortly to supply all the cotton that the two countries may require. England also, besides her West Indies, will receive it from Africa, where great exertions are making to raise it. crush the seeds. I shall endeavour to supply this and whence too, it is known one or two vessels want, in a future number of this work.* arrived last year in England with the first cargoes of the article; it is probable that the cotton of enlarged notice of the southern planters, solely on Africa, will be for some time inferior in quality account of the oil it yields; but it is also worthy to the cotton of the United States, but practice of attention by reason of the medicinal qualities will make perfect, and we shall not for a long of its leaves. This fact alone ought to entitle it time find any sale for our cotton on the continent, to cultivation on every farm in the southern and In 1805, I received some seeds from Georgia, owing to the powerful influence of the French middle states. The dysentery, a disease that freemperor; all these causes combined, must nequently ravages our country settlements, yields cessarily diminish the price of cotton, and ought very readily to an infusion of the leaf in water. and in a paper in Doctor Coxe's Medical Muse-um, vol. 2, I noticed Mr. Morell's account of the necessity of turning their attention to the raising raged with great violence in the upper country of of new articles of commerce*.

sow the seed in holes about three feet apart, dropping ir each about ten grains, and when up the plants are to be thinned to three or four of the the dried leaves is countly beneficial. to my taste, it is equal to the finest olive oil ever Georgia,) in September, and when full grown most promising. The seeds will appear (in the dried leaves is equally beneficial. are to be gathered in before they become dry. The method is as follows:—as soon as you perceive about three-fourths, or four fifths of the pods ripe on the stalk, and the lower pods begin states, by the negroes from Africa. It abounds in moreover this great advantage over the olive oil, that, as much as ripens one day at top, so much that it does not become rancid by exposure to the falls out of the pod at bottom; then take a sharp ted there, for the purpose of feeding horses, and that, as much as ripens one day at top, so that ted there, for the purpose of recting notice, falls out of the pod at bottom: then take a sharp for culinary purposes. The negroes in Georgia, hatchet bill, or some such weapon, and with it boil a handful of the seeds with their allowance boil a handful of the seeds with their allowance. hand; and when cut, a second person is to re-ger proportion of oil. ter, is muddy at first, but on standing, it will deposite a white sediment, and become limpid as the first running. The oil is at first of a slightly upright on a close floor, or left in the field, till all one of an equal and even presented quality, to ceive it, keeping it upright, till he has his load;

The dibbling plan recommended by Mr. Morel, would be very tedious, even in the southern mix sand or ashes with the seed, to insure a regulhigh price, always adulterated with poppy oil. lar erop, and the quantity of seed per acre, are matters which the experience of a year or two would teach. If however, the drill system is preferred, the seed may be dropped from a com

non turnip drill, and sown eighteen inches apart, and the intervals kept clean by the horse hoe, or hand hoes. Sickles, or reaping hooks might be prevent the dropping of the seeds.

The stalks must be tied up in small sheaves, and set up against the fence, or the side of a field, where the immature seeds would speedily ripen. The direction of Mr. Morell, to begin to cut be-

One of the objections which may arise to the cultivation of Bene for oil, is the want of a mill to

I have recommended the Bene plant to the South Carolina, this remedy was attended with Mode of Cultivation .- Mr. Morell directs to the best effects. Three or four leaves infused in

BENE SEED.

This plant (pronounced Binne) is the Sesamum to lose their seeds, it is time to take it in, for after many parts of Africa, and Sonini, and Brown, both cut off the stalk, twelve to eighteen inches below bon a nandim of the seeds cut of the stalk, twelve to eighteen inches below bon a nandim of the seeds cut of the stalk, twelve to eighteen inches below bon a nandim of the seeds cut of the stalk, twelve to eighteen inches below bon a nandim of the seeds cut of the seeds cut of the stalk, twelve to eighteen inches below bon a nandim of the seeds cut of the seeds cut of the stalk, twelve to eighteen inches below bon a nandim of the seeds cut of t

According to a letter of Mr. J. Morell inserted upright on a close floor, or left in the field, till all an oil of an equal and even preferable quality, to the pods are fully ripe and open; then threshed Florence oil; one hundred weight of seed will and sifted.

Produce ninety pounds of oil; its cultivation therefore deserves to be strongly recommended.

[Through the kindness of Dr. Mease, the forstates, if pursued extensively; for cheap as the mer editor of this Journal, I have had a full oplabour of slaves is, compared with our northern portunity this summer (1819) of trying the value cultivation, there are few estates, where the time of the bene oil, which I find hardly distinguishwhich a more expeditious mode of cultivation able from tine olive-oil; I think it contains more would save, might not be profitably employed mucilage, which gradually subsides on standing. It is probable, that the seed sown broad cast upon The bene-oil to the south, and the poppy oil in land properly cleansed, and harrowed in, would the middle states, ought to banish entirely t e The bene-oil to the south, and the poppy oil in answer well. Whether it would be necessary to olive-oil from our tables, which we buy at a very

[Edit. Willick's Dom. Enc.

^{*} Mr. Garnet has erected a wind-mill upon a new construction, to grind grain, crush flax seed,

^{*} These reasons for the cultivation of the sesamum plant, do not apply at present, but the di minution in the great price of cotton, owing to other causes, would authorize the extensive cul- nichal uses. [The Editor of the American Far-

^{*} The common flaxseed mills will answer perfeetly well for crushing the seed-but new bags and wedges must be used; and should the machi-nery be impregnated with the fluxseed, so as to communicate its strong odour to the sesamum oil first pressed, it can be reserved for lumps and mechimer has a few seed for distribution.?

COMMUNICATION

To the Agricultural Society of South Carolina, forwarded for publication by the Chairman of the Committee on publication.

TO THE PRESIDENT & MEMBERS OF THE SOUTH CAROLINA AGRICULTURAL SOCIETY.

As a competitor for some of your premiums of the present year, I beg leave to state the result of two acres of high land, planted with corn, each acre 210 feet square; the one being old pasture land, much exhausted, but had not been planted for a few years past. After being well cow-penned in the fall and winter of 1822—23, and ploughed up three times during that time, it was on the 8th of March last, planted with flint corn flush on the ground; the stalks stood in double rows 18 inches along each row, and these rows 18 inches apart, then an alley of 51 feet. The stalks along the rows were not opposite each other, but formed an irregular (or more correctly an isosceles) triangle; no other manure was used but cowpen manure. The other acre planted with gourd seed corn, was the same which in 1822, had made 64 bushels and 5 quarts of flint corn; this received an additional manuring of 200 bushels of stable manure, and the same quantity of cotton seed since that crop. This was planted in the same way and on the same day as the oth er acre; each acre containing 3000 stalks of this first planting; they were often and well cultivated with the hoe, and twice with the plough. On the 5th of June, a second planting took place, every 4½ feet in the centre of the wide alley, and of this two stalks were left in each hill. The of this, two stalks were left in each hill. rows stood nearly east and west, so as to give the second crop, the benefit of the morning and evening sun.—The acre of gourd seed corn produced 67 bushels, 3 pecks, and 2 quarts of sound and merchantable corn, and 1 bushel and 15 quarts of unripe and rotten corn. From the acre of flint corn was obtained 63 bushels and 5 quarts of sound and merchantable corn, and 2 bushels and 5 quarts of unripe and rotten corn. The first plantings were gathered on the 9th of September, and the second plantings on the 11th of Debeniber last. An acre of similar natural land of gourd seed corn planted 5 feet square, 2 stalks in each hill, produced 16 bushels and 12 quarts; an acre of old land made of flint corn, 10 bushels and a half. The first crops of the manured acres of corn were remarkably sound, there being but 7 quarts of rotten corn of the gourd seed; and only five quarts of the flint corn, as appears by the certificate I have brought for your inspection.

Although I am sure you will have larger crops of potatoes offered for your consideration, I shall state the quantity made from one acre of manured land, and also the produce of two other acres of common land. The first was divided into sixevery 12 inches square with slips. The acre contained 40,000 plants, and made two hundred and sixty-three bushels and an half peck. About 1-8th of this acre was planted with what are called sprouts, obtained by taking them from the roots as soon as fit to plant out. This part of the land as soon as fit to plant out. was most productive and made at the rate of nearly 400 bushels to the acre. An acre of common land planted in the usual way, on 3½ feet I did not intend communicating to the public, beds, with the Red Bermuda potato slips, made through the medium of the press, my plan for 110 bushels and one peck; the other not far off preserving lands from washing by means of grass, in the same old cotton field, planted the same day till established on the broad basis of experience, with vines of the yam potato, made exactly the but, as you have published an allusion thereto, same number of bushels. The manured acre was the one which made in 1822, 280 bushels and 3 tion on summer grafting, I have concluded to ofmanner as they were the last year, viz; each lication, or to lay by, till experience shall confirm half bushel, heaped so as to be a lawful and just its atility. measure. A certificate relative to each of these However, should you consider my theory de-unabsorbent substratum, the crop must be in dag-

week in June, to the end of the season, we had immediately before the public, and thereby expose little rain, and the acres of manured corn and the plan to be confirmed or rejected, by numerous potatoes suffered much. The corn fired to a experiments at once. The importance of a pregreat degree, and certainly was much injured, ventive to the washing of lands, all must admit; Our crops of corn were good, especially those since lands generally do not in fact wear out, but planted in March, and early in April. This fact wash out. If a plan could be devised to obviate appears to demonstrate the difficulty of obtaining so general a misfortune, altogether practicable a very extraordinary crop of corn from one acre and efficient, it would essentially contribute to the of land in our climate—unless the corn be plant- interests of agriculture. ed universally thick. It appears as far as my experience extends, it cannot make a great crop, propose to establish permanent rows of grass, and if the season be dry and hot, it then suffers nearly in a horizontal direction across the sides of much. I must state that some experienced corn hills. For example, suppose a hill side to have planters are of opinion that my acres were plant- one regular slope down to a stream of water; I ed too thick;—my opinion as to thick planting, would run the rows of grass parallel with the however, appears confirmed from the last year's water course, and apportion their distances to the experience, for neither of the acres shewed any declivity; should the descent be very great, I indication of being too thick, until the serious would have a grass row at the distance of every droughts of June and July.—As far as I can judge, six feet, and the corn to occupy the middle space two good rains in the early part of June, would between the grass, which of course, will give the have made the crops as good as the quality of the land would have admitted of: I believe I can may be represented as follows: The black lines with confidence state, that there is not on record represent the grass, and the dotted ones the corn. any account of a great crop of corn, which was not planted universally thick, and generally speaking, the more stalks, the greater the crops, if the land be rich. I take the liberty to state I planted an acre of new land with unusual preparation in gourd seed corn; this from being also thick, and containing about 5000 stalks, suffered greatly by the drought, but still made 30 bushels. One half of this quantity, with the usual labour bestowed on our new lands, would have been a good crop. While on the subject of corn planting, permit me to suggest to the consideration of our Society, the great diversity of opinion which exists among the best practical farmers even of the same neighbourhood, while some contend for a small number of stalks to the acre, say one stalk, four or five feet square, others prefer two stalks the same distance-indeed the same remark applies with equal force to the other staples of our State, Cotton and Rice. This contrariety of opinion among the cultivators of each crop, appears to be worthy of our attention, and whether a premium should be offered for the most conclusive experiment on a few acres of most conclusive experiment on a few acres of which still gives, as before, six feet distance to land, relative to each staple of our State, (the the corn rows. But should the hill's inclination Society, however, stating the mode of planting be still less, I would give 13 feet to the grass as regards the number of stalks of corn, and cotton, and the distance of the rows of rice, and two rows of grass. quantity of seed rice to each acre;) I leave to your better judgments, with the hope if you do not consider the subject of sufficient importance to offer the premiums, you will at least receive these few observations as an evidence of my wish to promote and advance the agriculture of our common country. JOHN S. BELLINGER.

trict, Feb. 7th, 1824.

To the Editor of the American Farmer.

TO PREVENT ARABLE LAND FROM WASHING. Pottersville, Murch 17, 1824.

crops, is also submitted to you. From the first serving publicity, it may not be amiss to lay it

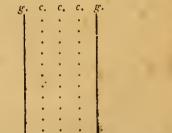
And in order to effect so desirable an end, I

g. c. g. c. g.

But should the descent of the hill be more gradual, I would give the grass rows a distance of 12 feet apart, leaving two rows of corn between every two rows of grass; thus:

g. c. c. g. c. c.

It will be observed, there is a corn row on each side of the grass, at the distance of three feet, rows, and have three rows of corn between every



Here the corn will have the same distance as before. The ground of course to be ploughed in but one direction. The grass must resist the rigors of winter, and have a perennial root, without spreading beyond the space allotted it. The kinds I prefer, from a partial experience, is the tall meadow oat and the Missouri grasses, and a tall winter reed grass. The Missouri and reed grasses are abundantly more nutritive than the oat. But my plan may be objected to, as superfluous, since the deep horizontal ploughing has been introduced. But I presume no scientific agricultupecks. Each acre was measured in the same fer you the plan entire; either, for present pub- rist will contend, that this plan is free from objections, as it requires more capital and skill, than the people generally can spare; and over a stiff ger of drowning in wet scasons, while the ridges Thus you see what a singular world is our earth, must be somewhat inconvenient for a rotation of cropping; and lastly, the ridges can answer no For ever and aye gi ing opposite birth, other purpose, than to save the land; for while they retain superfluous water in wet weather, from their exposure to the air and sun, in a drought, vegetation will suffer more than on an even surface. All which defects, my plan proposes to remedy, it is so simple, every farmer who can run a tolerable straight furrow, may adopt it, and is at same time, as cheap as simple. The grass will retain the water sufficiently long, to deposit its alluvion; but not long enough to injure vegetation. The grass will be as much benefited by culture, as the grain, and will improve for years. So there will be a two fold intention answered; the land will be preserved from washing, while a large amount of hay and winter pasture may be obtained; while the crop of grass may not be any less, in consequence of this gramineous acquisition. For independent of the waste of soil prevented by the grass, the water from hasty showers which would otherwise escape before the soil could have time to absorb it, will be retained, to the great benefit of the interme-in this office. diate crop of grain. A winter grass is nearly stationary in the summer, always making its principal growth in the spring and fall, so that it will interfere but slightly, with those annual plants which are the chief object of cultivation.

When small grain is sown between the grass rows, the mixture of good hay with the straw, will add considerably to its value, while the grass seed, it mature, will blow off with the chaff. ABNER LANDRUM.

Edgfield, South Carolina.

0

MORE MISNOMERS. Mr. Forest, a shopkeeper, lives in a lane, Mr. Sober is known to get muzzy; Mr. Ease took to wife the acute Mrs. Paine, And her sister is spouse to a Hussey.

Mr. Faith is an infidel, and ne'er goes to Church, Mr. Shaver ne'er handles a be rd, sir; Mr. Broome, when at school, was tickled with birch, Tom Valiant was always afeard, sir,

Mr. Brown, it is thought, will marry Miss Green, Old Longley to neat Mrs. Shorters ; And 'twas only last week Dick Rivers was seen To stagger at sight of Miss Waters.

Lucy Nimble is known for a lazy young slut, Betsey Wise is a colish one I know; Mr Tench could not swim in the water when put, And Hickathrift spends all his rhino.

Mr. Legg is laid up with a fit of the gout, Mr Ryder is fondest of walking; Mr. Se der is going to marry Miss Stout, Mrs. Tassit is always a talking.

Sally Knight always loves to be seen in the day, Mr. Wake's ever nodding and nappy-Mr. S int with the girls is sportive and gay, Mr. Bliss looks very unhappy.

Mr. Goodman is reckoned a queer one at least, Mr. Wolfe than a lamb can't be meeker; Mr. Lettle is known for a very great beast, Mr. Dumm is an eloquent speaker.

Younghusband was married when grown very old, Mr. Lover's a hater of ladies; But he was entrapp'd in the net of a scold, Who brought him an arm full of babies.

Mr. Cruickshank 'tis known had as proper a leg As ever was worn by a Dandy; Mr. Rich was compell'd through the country to beg, Mr. Harrel could not contain brandy.

As full as an egg of contraries;

Like ostriches hatching canaries.

PUBLISHED IN THE AMERICAN FARMER, BY OR DER OF THE STATE.

livered from Magruder's Inspection Warehouse, during the quarter, commencing on the first Monday in January, eighteen hundred and twentyfour and ending on the first Monday in April, eighteen hundred and twenty-four.

	Domestic growth	Growth not of this state.	Re-in- spected.	Total.
Number in- spected.	6			6
Number de- livered.	1			1

JOSHUA NAYLOR Inspector. TREASURY OFFICE, ANNAPOLIS, April 10, 1824. True Copy, from the original report on file

B. HARWOOD, Tr. W. S. Md.

THE FARMER.

BALTIMORE, FRIDAY, APRIL 23, 1824.

The Tariff Bill has passed the house of representatives by a majority of five votes. In on commerce and manufactures.

The session of congress will probably not 52 cents. be closed until some time in June.

has moved to reduce the per diem of members of congress to six dollars per day; it is not expected

ir Mr. Edwards, late of the Senate U. S., Minister to Mexico, has while in Transitu for that place, revived against the Secretary of the Treasury, certain charges about suppressing documents, misplacing publick funds, &c., and avows himself the author of the famous "A. B." letters. —This is the third time the Hon. Secretary has been put in the crucible on this account—if he been put in the crucible on this account—if he will deliver them to order at any place requested. does not get scorched this time, he must be an The above mentioned harrow obtained a preodd fish-one of the Salamander family!

This number was going to press, before we discovered that Mr. Watterton's lecture on the preservation of objects of Natural History, had been omitted.

to present condensed views of all the great Application by letter or otherwise, directed to ture. Even Fishermen cannot sail, and be subsist-tended to. ed on the ocean, without the farmer's timber for his vessel-his flax and hemp for her sails-his pork and his flour for their provisions .- We shall arrange for the next number, a view of the extent and importance of our fishing privileges the honourable and distinguished officer who presides over the state department.

The Editor acknowledges the receipt of the following seeds for distribution, and gentlemen who wish the same for experiment, will

please make application at the Office of the Far-Egyptian Millet, from N. Herbemonte, Esa.

Columbia, South Carolina.

North Carolina Field Pea, from Gen. C. Jones,

of Raleigh. ----

A report of the tobacco inspected at and de- PRICES OF PRODUCE-collected carefully for the American Farmer.

Wharf flour, \$5 50 per bbl.—Western country, \$5 75 do.—Rye, \$3 to \$3 25 do.—Indian Corn, 30 to 35 cts. per bush.—Wheat, White, \$1 15 to \$1 17 do.—Barley, 60 to 65 cts.—Whiskey, 25 to 27 cts. per gal.—Peach Brandy, 4th proof, 75 cts. do.—Apple do. 1st proof, 35 to 36 cts.—Beef. northern mess, per barrel \$10—Cargo, No. 1, \$8 to 8 50—do. No. 2, \$6—Baltimore prime, \$10 do.—Pork, northern mess, per bbl. \$14 to 14 50 do.—prime, \$10 50 do.—Baltimore mess, \$15 do.—prime, \$12 do.—Bacon and Hams, per lb. 9 to 10 cents—Cotton, W. I. Island, 18 to 20 cts.— Lonisiana, 15 to 17 cts.—Georgia upland, 14 to 16 cts. -Alabama, 12 to 13 cts.-Candles, mould, 12 to 13 cts - Dipt, 10 to 11 cts. - Spermaciti, 28 cts. -- Coal, pit, foreign, per bush. 40 cts.-Do. Virginia, 20 to 25cts.-Susquehannah, dot per ton \$6 50 to \$7-Feathers, live, 30 to 35 cts. lb .- Herrings, Susquehannah, \$275 per lb .-- shad, trimmed, \$6 to \$6 50 cts. do.—Flax seed, rough, per bushel, 62 cts.—Hogs Lard, 9 to 10 cts. lb.—Lime, per bush. 30 to 33 cts.—Leather, Soal, per pound, 24 to 27 cents-ditto Eastern Tan, 18 to 20 cents do. -Salt, St. Ubes, per bushel, cargo prices, 45 to the senate it has been referred to the committee 47 cents-Lisbon, ditto, 45 cts-Cadiz, ditto 40 cts.—Liverpool blown, ditto, 50 to 52 cents—Ground, ditto, 52 to 55 cents—Turks Isand, do.

Such changes as have occurred, have been noted above—the sales of fine tobacco have been very Mr. Randolph, an old fashioned republican, brisk the last week, though we have heard of as moved to reduce the per diem of members of none selling higher than \$25!! dull tobacco is still duil en aigh!

Notice

TO FARMERS AND CORN PLANTERS.

The subscriber hereby gives notice that he continues to make and vend his Cultivator, or Corn Harrow, so much approved in Chester county, and the adjacent districts of Pennsylvania, and mium at the Exhibition of the Pennsylvan'a Agricultural Society, held at the Paoli in October last. Notice is also given, that he has obtained a patent for his improvement on the cultivater or corn harrow, and likewise on the apparatus for constructing the teeth; rights of which will be sold to blacksmiths or others, dis-It is fairly within the scope of this paper, posed to purchase, for constructing the same. branches of American industry and wealth; for the subscriber, in New Garden Township, Chesall emanate from, and have a bearing on Agricul ter county, Pennsylvania, will be promptly at-

WM. M'CONAUGHEY.

CONTENTS OF THIS NUMBER.

Annual Summary of Meteorological observations at Baltiarrange for the next number, a vicew of the extent and importance of our fishing privileges and trade, with an impressive and elegant delineation of its value in amount, and its tendency to generate those hardy and heroick qualities which characterise American seamen—we derive this interesting sketch from the able pen of Tobacco Report—Editorial Notices—Prices Current—Adventured to the Annual Sumpary of Meteorological observations at Baltimore, for the year 1824—Address of Cutthert Powell, Esq., to the year 1824—Address of Cutthert Powell, Esq., to the Agricultural Society Address of Fourthert Powell, Esq., to the Agricultural Society Address of Cutthert Powell, Esq., to the Year 1824—Address of Cutthert Powell, Esq., and their cure—On the Preservation of Peach Trees—On Sesamum or Bene Plant—Year 1824—Address of Cutthert Powell, Esq., to the Year 1824—Address of Cutthert Powell, Esq., to the Year 1824—Address of Cutthert Powell, Esq., and their cure—On the Preservation of Peach Trees—On Sesamum or Bene Plant—Year 1824—Address of Cutthert Powell, Esq., and their cure—On the Preservation of Peach Trees—On Sesamum or Bene Plant—Year 1824—Address of Domestic Address of Domestic Addre vertisement, &c.

Printed every Friday at \$4 per annum, for JOHN S. SKINNER Editor by JOSEPH ROBINSON, on the North West corner of Market and Belvidere streets, Baltimore: where every description of Book and Job Printing is executed with nea ness and despatch—Orders from a distance for PRINTING or BINDING, with proper directions promptly attended to, addressed to J. Robinson, Baltimore,

THE VALUE OF THE FISHERIES,

As a distinct branch of American wealth and in-dustry, and their effect on the physical powers, and moral character and qualities, of those em-ployed in them; from the pen of the honorable J. Q. Adams, Secretary of State.

EXTRACTS.

ery; this "doubtful accommodation of a few dishermen, annually decreasing in number."

during the years subsequent to 1807, till the close of the war—certainly not voluntary, but occasioned by the state of our maritime relations with Europe, by our own restrictive system, and finally by the war. But no sooner was that terminated, it not circulate wholesome blood? To what sinew continued, would shortly be still further and very wigators.'

wes subservient? Their game was not only food entirely exempt from the danger.

Indicate the whole of the Southern and White the White

and exalted in the qualities of which it requires the habitual exercise. In common with the cul vivators of the soil, their labours contribute to the subsistence of mankind, and they have the merit ence, perseverance, fortitude, intrepidity, souls innered to perpetual conflict with the elements, and bodies steeled with unremitting action, ever statements themselves will show in their merchants of the sea port towns. They had begrappling with danger, and familiar with death: minutest details. these are the properties to which the fisherman of the occan is formed by the daily labours of his Extracts from a letter addressed by the honorable life. These are the properties for which he who knew what was in man, the Saviour of mankind. sought his hist, and found his most faithful, ardent, and undaunted disciples among the fishermen of his country. In the deadliest rancours of national wars, the examples of latter ages have been frequent of exempting, by the common consent of the most exasperated enemies, fishermen from the operation of hostilities. In our treaties with Prussia, they are expressly included among the classes of men "whose occupations are for the the inexhaustible repository of this species of their objects so as idnously that at their own excommon subsistence and benefit of mankind;" food, not only for the supply of the American, but pense, as I am informed from a respectable source,

tinue their employment without molestation, more of effort is needed than to bait the hook and Nor is their devotion to their country less conspicuous than their usefulness to their kind. necessary. In clear weather, near the shores, while the huntsman of the ocean, far from his native land, from his family, and his fire-side, pursues at the constant hazard of his life, his "All this was gradually making itself known." Let us now see what was the value of this fishintently turned towards his home, his children, year 1808, the resort to this employment had
y; this "doubtful accommodation of a few and his country. To be lost to them gives their become an object of attention, from the Thames, thermen, annually decreasing in number." keenest edge to his fears; to return with the at New London, to the Schoodic; and boats and From the tables in Dr. Seybert's Statistical fruits of his labours to them is the object of all vessels of a small as well as a larger size, were Annals, it will be seen that in the year 1807, there were upwards of seventy thousand tons of shipping qualities and dispositions been more constantly that and the four preceding years, the exports from the United States of the proceeds of the fisheries, averaged three millions of dollars a year. There was indeed a great diminution during the years subsequent to 1807, till the close was so much of national wealth exported by the limit of small as well as a larger size, were his hopes. By no men upon earth have these flocking to it from all the intermediate parts of qualities and dispositions been more constantly the United States. In the fishing season, at the best places for catching the cod, the New England. From the proceeds of their "perilous and hardy industry," the value of three millions of like flies upon the shores, and that in some of during the years subsequent to 1807, till the close was so much of national wealth exported by the limit of significant to the United States. The fishing season, at the best places for catching the cod, the New England. From the proceeds of their "perilous and like flies upon the shores, and that in some of during the years subsequent to 1807, till the close was so much of national wealth exported by the limit of the United States. than the fisheries revived, and in the year 1816, of our national arm did it not impart firmness and greatly extended. the year after Mr. Russell's letter was written, energy? We are told they were "annualty determined there were again upwards of sixty-eight thousand creasing in number:" Yes! they had lost their crease of power, the mine of wealth, the accutons, employed in the cod fishery alone. From occupation by the war; and where were they mulation of capital, (for it has been justly obon the country, that during the war? They were upon the ocean and served, that he who draws a cod fish from the in this occupation the average of seamen employ upon the lakes, fighting the battles of their counsea, gives a piece of silver to his country,) the d is of about one man to every seven tons of try. Turn back to the records of your revolution; aipping, so that these vessels were navigated by ask Samuel Tucker, himself one of the number; n thousand, of the hardiest, most skilful, soberest, la living example of the character common to them States, of which the enlargement of such an inid best mariners in the world .- "Every person all, what were the fishermen of New England, tercourse was susceptible, (for the stock of fish ays Dr. Seybert,) on hoard our fishing vessels, in the tug of war for Independence? Appeal to appears inexhaustible,) you are much better able an interest in common with his associates; the heroes of all our naval wars—ask the vanneir reward depends upon their industry and en- quishers of Algiers and Tripoli-ask the redeem- pleasure point them anew for your consideration, terprise. Much caution is observed in the selectors of your citizens from the chains of servitude, as on many accounts presenting one of the most on of the crews of our fishing vessels: it often and of your nation from the humiliation of annual interest ppens that every individual is connected by tribute to the barbarians of Africa—call on the rected. ood, and the strongest ties of friendship. Our champions of our last struggles with Britain—ask hermen are remarkable for their sobriety and hod conduct, and they raok with the most skilful Macdonough, what proportion of New England and was to become, it was little known to the fishermen were the champions of their victories, leading men of our country, and little spoken of Of these ten thousand men, and of their wives and sealed the proudest of our triumphs with by others, even in Massachusetts, or among those dehildren, the cod fisheries, if I may be allowed their blood; and then listen if you can, to be told, who were actually engaged in it, and a knowledge expression, were the daily bread—their pro-that the unoffending citizens of the West were

part of the fish taken by our fishermen before There is something in the very occupation of the present war, was caught in the open sea, or being a matter of great notoriety here, are obvifishermen, not only beneficent in itself but noble upon our own coast, and cured on our own shores." This assertion is, like the rest, erroneous.

than twenty tons burthen, the proportion of which, in it made no unnecessary promulgations of their as appears by Seybert's Statistical Annals, is about employment, while the poorer inhabitants of the of continual exposure to danger, superadded to one-seventh of the whole. With regard to the provinces, tasting equally its sweets and advantate of unceasing toil. Industry, frugality, pati-

James Lloyd, of the Senate U. S. to the venerable John Adams, as is supposed, to whom Mr. J.

of Fundy, the Bay of Chaleurs, and the Gulf of the chorus of the colonial government in a cru-st. Lawrence, the Straits of Bellisle, and the sade against the encroachments of the infidels, Coast of Labrador, appear to have been designed the disbelievers in the divine authority of kings, by the God of Nature as the great ovarium of fish; or the rights of the provinces, and have pursued

66 Agriculture of the Ocean." with a stipulation, that in the event of war be- of the European continent. At the proper seatween the parties, they shall be allowed to con- son, to catch them in endless abundance, little

> game upon the bosom of the deep, the desire of to the enterprise and vigilance of the New Enghis heart, is by the nature of his situation ever land fishermen, and for a few seasons prior to the

effect upon the trade and custom of Great Britain. and the corresponding advantages to the United to conceive than I am to describe; but I with interesting public objects to which it can be di-

rty—their subsistence. To how many thousands not at all benefitted by the fishing privilege, and or future capability, was perhaps confined to not more were the labours and the dangers of their that the few fishermen in a remote quarter, were the labours and the dangers of their that the few fishermen in a remote quarter, were the labours and the dangers of their that the few fishermen in a remote quarter, were the labours and the dangers of their game was not only food entirely exempt from the danger.

"The causes of its value and importance not ous; it was an employment not only in the fishery, but in many instances undoubtedly in trade, with The shore fishery is carried on in vessels of less the British inhabitants; those who were engaged fishery and trade; jealous of its progress and clamorous at its endurance; they, therefore, or late years, have repeatedly memorialized the government in England, respecting the fisheries carried Q. A. had applied for any information which on by the Americans, while the whole body of might be amongst his papers, relative to the sub-Scottish adventurers, whose trade both in imports 'ject in the negotiations of heace in '82-'3.

"The shores, the creeks, the inlets of the Bay curtaited, have turned out in full cry and joined

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in some favourable position near the Straits of Canso, to count the number of American vessels which passed those straits on this employment; entertained, the future must determine; but un- with the Coast and Bay Fishery; in addition to fortunately these murmurs and complaints reached which, these vessels employed in the Bank Fishprobably the value and importance of this branch to safety and success.

of it is now at least as fully understood and appre-Atlantic.

of mankind become not unfrequently the dupes of the vessels on the Bank Fishery. They comthis, it has been, and is generally, I might almost nished by a small species of fish called capling, say, universally, believed, by the mass of our which strike in shore at that time, and are follow-countrymen, that the right of fishing on the Banks ed by immense shoals of cod fish, which feed of Newfoundland, or as it is properly called, the upon them. Each vessel selects its own fishing Grand Bank, was the great boon acquired, as it ground, along the coasts of the Bay of Chaleurs, respected the fisheries, by the treaty of 1783, the Gulf of St. Lawrence, the Straits of Bellisle, while unquestionably the fisheries on the Banks the Coast of Labrador, even as far as Cumberof Newfoundland no more belonged exclusively land Island, and the entrance of Hudson's Bay, in possession or the right of control either to Great thus improving a fishing ground reaching in exto offer any thing to your Society on Agricultural Britain or the United States, than the air of tent from the 45th to the 68th degree of north lassubjects; but as we are all interested in the Heaven is the patent property of both or either titude.

of them, with power to dole out its use to such "In choosing their situation, the fishermen members of your society more deeply than others, along with it its own sufficient apology.

the fish, and place them in the hold, in an uncured

other nations as agree to conform to the stipula- generally seek some sheltered and safe harbour, I submit to you the result of my reflections on tions they may please to prescribe for its enjoy. Or cove, where they anchor in about six or seven this, the chief object of my attention.

That they may please to prescribe for its enjoy. Or cove, where they anchor in about six or seven this, the chief object of my attention.

That this part of the State is more sickly now head, it undoubtedly was the Coast Fisheries, on low, and literally making themselves at home, than formerly, I believe you will all agree; that the shores of the British provinces. This is the dismantle and convert their vessels into habita-it may become worse, is ascertained; and on the fishery which will now come under discussion, at tions at least as durable as those of the ancient consequences of this progressive deterioration, we least, if not into contest, between the two countries. It is highly important that correct ideas of of the vessel, in which a sufficient number of As far as my observation goes, this increase of its value and extent should be entertained, and capling are soon caught to supply them with bait sickness commenced, with the abandonment of perhaps these could not be more perspicuously from day to day. Each vessel is furnished with the Inland Rice fields, and has advanced in protraced than by taking a relative view of it, comfour or five light boats, according to their size and portion to the number abandoned, and the quanpared with the importance of the Bank Fishery, number of men, each boat requiring two men. They tity of high land cleared. By the former an This I will now briefly attempt; confident, that if leave the vessel early in the morning, and seek immense increase was occasioned in the quantity in doing it I should be refterating to you the com- the best or sufficiently good spot for fishing, which of miasmata; by the latter, the most efficient munication of facts of a knowledge of which you is frequently found within a few rods of their ves- means of purifying the atmosphere were removed. are already acquainted, the motive will bring sels, and very rarely more than one or two miles "The Bank Fishery is carried on in vessels ge fast as they can pull their lines, and sometimes it by means, within the reach and control of all. merally from 70 to 90 tons burthen, and manned is said that the fish have been so abundant, as to That other countries have been ruined by with eight or ten men each. They commence be gaft or scooped into the boats, without even a gradual deterioration of climate, can be proved their voyages early in March, and continue in this look or line; and the fishermen also say that the by history; and the situation of Italy in particuently make two, and sometimes three, fares such quantities, and with such voracity, as to run Sismondi, Chateauvieux and others.—Even where to the United States, bringing their fish home to in large numbers quite out of water on to the shores. The produce of these trips, if successiful, after paying the shoresmen the expense of in the morning, at breakfast, put their fish on bess is nothing, compared with the nemaking or curing, generally furnishes a sufficient board, salt and split them; and after having fished quantity of dried fish to load the vessel for Europe. These vessels employed in fishing require cables of from '160 to 180 fathoms in length. They must always keep their sails bent to the yards, so as to be ready, in case of accident to the cable, or any of those adverse occurrences to which tempests or the casualties incident to anchoring nearly in mid-occan, must expose them. They purchase mid-occan, must expose them. They purchase ciently cured, until the vessel is filled with dried too true. Many healthy situations have been

in the year 1807 or 8, they stationed a watchman the fish bite well, which is not always the case. Europe, or returns to the United States; and this and haul their cod in a depth of water from 45 to fish, thus caught and cured, is esteemed the best 55 fathoms. After catching, they head and open that is brought to market, and for several years previous to that of 1808, was computed to furnish which passed those straits on this employment; who returned nine hundred and thirty-eight as the number actually ascertained by him to have passed, and doubtless many others, during the night or in stormy or thick weather, escaped his observation; and some of these actives as large of the number actually ascertained by him to have passed, and doubtless many others, during the or freight, return with it to the United States. This fishery was also about that time taking a new form, which would be curred or dried and prepared for exportation; have had a doubtle advantage, both in point of but before this is done, or they can be landed, the prefix and extension; for some of our merchants distinctly looked forward with gratification to a state of war, as a desirable occurrence, which would, by its existence, annul existing treaty stipulations, so injurious, as they contend, to their this Jamaica fish is much greater than it would chased from, cured fish, to load their vessels with interests and those of the nation. With what degree of correctness this expectation has been shortly after having been taken, as is the case expense in getting the fish to market abroad, as would in a short time have given our merchants a command of the European markets, and would England, and were industriously circulated about ery are unavoidably obliged to prosecute this bu- have also afforded an encouragement to a small the time that our restrictive measures awakened siness with a great comparative expense, as to but very numerous boat fishery, which, from rean unusual and critical attention to the commer-the wear and tear of their vessels, and loss of time, cial connexion between the two countries, and and with an increased degree of hazard, both as not fail to have been greatly excited and increased, and enabling the persons concerned in the exportation from the coast, to receive at home the of it is now at least as fully understood and appreciated on the eastern as on the western side of the cuted in vessels of from 40 to 120 tons burthen, proceeds of their adventures from abroad, about carrying a number of men, according to their as early as the bank fish could have been put into "Carried away by first impressions, a large part respective sizes, in about the same proportion as a state fit to be exported from the United States; in addition to which, we were prosecuting a very misconception, and adhere to their opinions with mence their voyages in May, and get on the fisha pertinacity proportioned to the time they have ing ground about the 1st of June, before which same vicinity, as most of the pickled fish we had entertained them. From a source something like time bait cannot be obtained. This bait is fur-

AGRICULTURE.

TO THE AGRICULTURAL SOCIETY OF S. C. Charleston, 20th Nov. 1823.

As far as my observation goes, this increase of I confidently hope that the evil may be arrested distant from them, where they haul the fish as in its progress, and in a great measure removed

That other countries have been ruined by the salted clams for bait, which they procure at confish, fit for an immediate market, which is gene ruined by inconsiderate clearings—by Mill Ponds siderable expense, and take with them from the rally the case by the middle or last of August, and and Reserves, and again have been restored to United States. They fish night and day, when with which she then proceeds immediately to health by removing the sources of sickness.

Private interest and individual enterprise alone culture, greatly improve the prospect of health air, the heavy chilling dews in the morning, and may effect the improvements contemplated. in this part of the state? Where several are interested, they must associate, and where all will not do so, legislative aid of a machine for draining fields incommoded by dency to excite the disease of summer and aumust be obtained. A planter may turn his at-tention to his own abandoned rice field, or be send a rough model of one that may be made by tention to his own abandoned rice field, or be send a rough model of one that may be made by body are chilled by being wet with dew, and annoyed by those of other people. He knows any carpenter, from materials always at hand, the sun beaming with intense heat upon the head. annoyed by those of other people. He knows any carpenter, from materials always at mand, the sail so the first quality of blue clay, which will enable each man employed on it to superior to a great proportion of tide land. He raise about seventy-five gallons of water per effect in equalising the circulation and heat of the body. No one should ever lie down or sit knows that excellent crops have been made from minute.*

it in avourable seasons. He reads of the system of draining and irrigation practised in China and there are bays and ponds in the neighbourhood of when there is an excess of water. He purded stagnant water in the ditches and canals of ishing and simple; the only restrictions generally chases his neighbour's property for a trifle and the rice fields, after the water has been left off observed are as to eggs, butter, and milk, as removes the nuisance.* He makes certain preparatory to harvest.—You refresh the water food. and abundant crops, and his success in a few in your fields as often as bubbles and scum, which If any preventive medicine is necessary, it years induces others to follow his example, and denote fermentation, are observed to collect; but certainly should not be of a debilitating nature; Give me leave to offer the suggestion of a friend, a man of the first respectability—that flax would probably succeed as well in such grounds as in zing and soiling. By this plan, all occasion for from rice culture are trifling compared with the morning. The most convenient way of apthe unwholesome reserves would be obviated, those from neglect and oversight in leaving stag-plying it probably is, the effusion of a pitcher of and the place for the reserve become the richest nant water where there need not be any. The cold water over the neck and shoulders. as food for cattle of all kinds, both in summer our neighbours of Savannah, has not succeeded from a residence near your plantations throughout and winter, may be well worth your considera-quite as well as they merited. With deference, the year. Economy and superior skill and care tion. It would be a most luxuriant crop in such I think this is owing to two circumstances; will probably enable the planter to make a profit is said to be more profitable in Georgia, than the to dry culture, and they which are so subjected now the utmost that is generally realised. Hoping cultivation of Sea Island cotton. A few enter- are not perfectly drained. The water stagnating that these suggestions may be corrected and imspect them daily.

of the great advantages resulting from your residence on your plantations throughout the precautions that may be useful, if not necessary winter, what must be the additional advantages of such superintendance in the Summer and Autumn-the most interesting and important part of the whole year.

That it is more advantageous to manure and improve an old field, than to clear a new one, is overtake you on the way, or that may detain you insisted on by the most experienced farmers even at the plantation. The dissipation and rivalry than with us and the cost of manure much greatconsideration, for without such collection the course be more agreeable. planter will require at least twice the quantity of planter will require at least twice the quantity of land for a change of fields. By rendering an old moss, having a moderate slope, should be prefer-personally, and some by writing—which is, that land actually lost, but save the necessity of holding a greater quantity of land than is required. The associates should agree in The art of Husbandry is, to assist nature—In ing a greater quantity of land than is required for cultivation, and preserve the trees for the advantage of health. Is it not better to manure a field until it yields thirty or forty bushels or to provide for making a large fire morning and to clear a new to provide for making a large fire morning and to clear a new to provide for making a large fire morning and to clear a new to provide for making a large fire morning and to clear a new to provide for making a large fire morning and to clear a new to provide for making a large fire morning and to clear a new to provide for making a large fire morning and to clear a new to provide for making a large fire morning and to clear a new to provide for making a large fire morning and to clear a new to provide for making a large fire morning and to clear a new to provide for making a large fire morning and to clear a new to provide for making a large fire morning and to clear a new to provide for making a large fire morning and to clear a new to make a clearing or even cut fire the present state of society, it is absolutely necessary to till the ground in order to obtain, not only the luxuries and comforts, but even the necessaries of life.—In tilling the ground, the them to afford the most abundant crops of corn, hay, &c. Would not some such system of

To give some idea of the simplicity and effect

Besides the draining of such cleared swamps, in wet clothes. the low country of Holland. If not exceeding my stagnant water must be in these ditches, and a contingencies of this nature, the best precaution province I would more particularly recommend proportionate quantity of noxious exhalation be is the daily use of the cold bath on an empty stothat they be allotted to all the purposes of grather consequence. The exhalations resulting mach at any time of the day, but particularly in part of the field. The cultivation of Sugar Cane spirited and commendable experiment made by lands, and the juice when fermented and distilled, all the neighbouring rice fields are not subjected of 8 or 10 per cent. on his capital, whereas 4 is prising men may soon improve a neighbourhood, in the drains from May to November, I believe proved by your practical knowledge and experiand enable their families to reside so near their to be the cause of sickness in the vicinity. If ence, I am, with much respect, own planting interests, as to superintend and in they will not construct machinery for throwing off this water, they should at least make it ebb If from your own experience, you are satisfied and flow in the ditches with every tide.

Give me leave to offer an opinion as to the to a family about to spend the summer in the country. A residence in villages is not advisable -the distance from your plantation is generally so great as to render your superintendance diffi-cult, if not inefficient, and your health is endangered by every change of weather that may

the extreme heat of the sun should be carefully avoided. All such extremes have a great tentumn, especially where the extremities of the

In other countries similarly situated, great other parts of Asia. He learns that a very every plantation, the draining of which would attention is paid to diet, and I have no doubt of cheap and simple machine may be used to flow greatly promote the health of the vicinity. Another fruitful source of disease is the neglect-lis forbidden—the food should be abundant, nour-

I forbear to urge, the advantages to be derived

Your obedient humble servant, JOSEPH JOHNSON.

FOR THE AMERICAN FARMER.

PREMIUM PLOUGHS.

Remarks on the hitherto erroneous manner of testing the qualities of ploughs, and suggesting a more favourable method.

FRIEND SKINNER,

I observed in the last number of the American in countries where wood is much more valuable that will always arise in such settlements, very have appointed the time when the next CATTLE Farmer, that the Committee of Arrangement er. Independent of the facility with which an immense mass of manure may be collected by alternate strata of marsh grass, stable manure, femmal and other weeds turf and marsh mud. &c.—

soon render them unshitted to health and economy. Show for the western shore of straightful and immense mass of manure may be collected by alternate strata of marsh grass, stable manure, femmal and other weeds turf and marsh mud. &c.—

soon render them unshitted to health and economy. Show for the western shore of straightful and interest, where you Matches, &c.—As I feel deeply interested with may inspect every thing, and obtain your supplies respect to ploughs and ploughing, the soon three weeds turf and marsh mud. &c.—

soon render them unshitted to health and economy. Show for the western shore of straightful and take place—for the exhibition of Ploughing in the straightful and take place—for the exhibition of Ploughing in the straightful and take place—for the exhibition of Ploughing in the straightful and take place—for the exhibition of Ploughing in the straightful and take place—for the exhibition of Ploughing in the straightful and take place—for the exhibition of Ploughing in the straightful and take place—for the exhibition of Ploughing in the straightful and take place—for the exhibition of Ploughing in the straightful and take place—for the exhibition of Ploughing in the straightful and take place—for the exhibition of Ploughing in the straightful and take place—for the exhibition of Ploughing in the straightful and take place—for the exhibition of Ploughing in the straightful and take place—for the exhibition of Ploughing in the straightful and take place—for the exhibition of Ploughing in the straightful and take place—for the exhibition of Ploughing in the straightful and take place—for the exhibition of Ploughing in the straightful and take place—for the exhibition of Ploughing in the straightful and take place—for the exhibition of Ploughing in the straightful and take place—for the exhibition of Ploughing in t soon render them unsuited to health and economy. Show for the Western shore of Maryland shall nel, and other weeds, turf and marsh mud, &c.—without difficulty or delay. If two or three this communication is, to give some explanations the first cost of the land is the most conclusive families would unite in such a plan, it would of on those subjects, which I apprehend are not generally understood. They may serve as a gene-

more of corn to the acre, than to clear a new evening in some central situation, for the purpose necessaries of life.—In tilling the ground, the one, which will not yield more than fifteen or of rarifying the air, expelling the dampness, and first and most material implement is the plough; twenty? Will not the same labour, time, and consuming the surrounding atmosphere; like with that the most laborious or expensive operaexpense, effect the former as the latter, except wise to keep a certain space round each house tions are performed. This circumstance induces where the wood may be readily sent to market? clear of grass, weeds, and brush, all of which the husbandmen to use great exertions to obtain Would not the effectual draining of a great porteaun much moisture. The chilly, damp night the best ploughs. Thus the mechanics have * This may be seen at Chisolm & Taylor's become excited; and great exertions are used counting house. [The Editor of the Farmer has to produce the best. Many very ingenious men, written for a drawing of said machine, to be enhave undertaken to improve the plough and graved and published for the benefit of his paspent much time and labour and means also, with a view to render that most important implement

^{*} The deserted Rice Fields, are the Pontine marshes of South Carolina.

been done, it will suffice to say that there has draw, only a little piece at a time, they will have the teams in urging them along. And if the been upwards of forty patents taken for improvements on the plough. There are but few, how-be deformed. The touch will be so much affect-would also afford an opportunity of comparing ever, that are considered valid. The consequence ed by the pressure (or draft) as to produce great the performance of oxen with that of horses at is, that a great variety have been made and intro excitement—they will move too fast, be quite the plough; which with many very judicious duced. Each competitor confident of his own, refractory, and unpleasant to work with. feels offended if another should be preferred. Hence, in operating with animal power, we no doubt that if this mode of testing implements This renders it an important, interesting, and perceive the influence produced by the touch; is adopted at the next exhibition, that at the end of a very delicate subject for the agriculturist to de- if the pressure or draft is so hard as to produce six hours, the result will be found very different cide whose is the best; and the more so, the pain, or be unpleasant to bear, it will excite the from what it would be, if continued only fifteen more valuable the premium when obtained. But animal so as to quicken its pace, and increase or twenty minutes—that there would then be the fact is, that some are better than oth-exertion.—Therefore in attempting to ascertain room enough to see through, so that all would be ers; and that some one kind are better than any the relative value of ploughs, by testing them the fully satisfied—and then it would be seen, that other kind, or all the rest; and to ascertain with animal power, on so small a plat, or land, tests taken by the animal power in this way, which kind, or whose improvement that is, is not as the one eighth part of an acre, with reference would agree with tests taken by the Dynanone

piece of ground covered with a stiff green sward, the teams are all of about equal strength, and tant object is, to have a proper opportunity of which is laid off in lands, or plats of about an eighth, twelfth, or sixteenth part of an acre in and the ploughs will all cut and turn just the an acre ploughed with a pair of horses in about each. When the ploughmen have chosen their same sized furrowslices, the team that is attach twenty-two minutes; but the team was then so situations, the word is given—all start and urge ed to the plough of the heaviest draft, being efficiently will be received most by the touch, or pressure of draft, ploughed another eighth in much less than an will be received most by the touch, or pressure of draft, ploughed another eighth in much less than an will be received most by the touch, or pressure of draft, ploughed another eighth in much less than an will be received most by the touch, or pressure of draft, ploughed another eighth in much less than an acre ploughed with a pair of horses in about twenty-two minutes; but the team was then so done first, if he ploughs the ground equally will be excited most, and consequently move the hour.—And another team of two horses with well and handsome, obtains the premium.—But I fastest; therefore in ploughing only the one which an eighth of an acre was ploughed, in a presume, that a little reflection will satisfy any eighth part of an acre, if it can hold out to finish, like situation, and in about the same time, that I scientific man, that this mode of testing ploughs, it will get done first. with animal power, measured by time, is absolutely incorrect.—Because in operations with place at the last cattle show for the Western may be so much difference as that in operating animal power, it is excitement that produces shore of Maryland. There was a premium with animal power, I have no doubt at all—and motion, not choice.—Excitement stimulates the awarded to a three horse plough, called the entirely owing to the draft of the implement. A mind (or will,) which commands the nerves—Brown plough. I had ploughs on the ground pair of good horses can stand its work, or use thus the muscles are operated on, and produce that day, and can produce a plough any day-their greatest exertions about twenty minutes. motion. But the mind (or will) may be excited that a good ploughman with two horses, an equal but then they are exhausted—what could they mentally; that is, the feelings of the mind (or choice out of five, can in six hours, or six months do in the next twenty minutes?—I believe they will) only-such as pleased or offended-love or if preferred, not only plough as much, but more; would not perform such another operation in envy, &c .- Or it may be excited physically, by and in rough ground do it better than any man much less than an hour. the sensations produced on the mind (or will,) by can with the other three horses, and the Brown the animal feelings, such as the touch, taste, plough in the same time, and a like situation.— plough into the hands of a good ploughman, who smell, light, hearing, &c. Therefore the great-And if any advocates of the Brown plough, think by taking pains, will do good work—and again, er the excitement, the more exertion-conse-those assertions too bold, and will offer a suitable sequently the more power, or quicker the mo-opportunity, I hold myself bound to realize the indifferent ploughman, and he will do indifferent tion. For instance, if we lay a sack containing fact, and should be much pleased to have a suitaone peck of wheat on a man's back or shoulders, ble opportunity to do so. But lest I may not be and request him to carry it one hundred yards, called upon to prove the case, I will just say without respect to haste or time, he will walk off I have had opportunities of comparing the Brown's very leisurely, and lay it down, without any pretension to haste; having been but little oppressed, he is but little excited—and on his return, if
we put a sack containing a bushel on his back,
with the former request, he will move off consi
derably faster, and lay it down in more haste, because the pressure affected the touch, and present, or former mode of testing ploughs, on so thereby produced greater excitement But on small a scale, with animal power altogether.

his return again, if we lay a sack containing four I look upon this as a subject of very material best, the only way to ascertain the fact is, to bushels on his back, which we desire him to importance, and really deserving the attention judge of the performance by the eye, and weigh carry to the same place, that being about as of every man concerned in tilling the ground—the draft with an instrument adapted to the purmuch as he can carry, he dashes off with all his and have no doubt, but all wish to know the pose, and that will give the exact result to a sinmuch as he can carry, he dashes off with all his and have no doubt, but all wish to know the might; and when at his journey's end, downs truth of the case exactly. Therefore, having with it as quick as possible.—In this case there challenged the present (or former) mode of is a double excitement—first, mentally, with a desire to please, in expectation of a favour or reward—secondly, physically by the touch; being plan. As it is a subject that I am deeply interaction as much oppressed as the system is able to bear, ested in, and of course have reflected much upon, the excitement is as great as can be produced, I will suggest a plan that has occurred to many and of course the mution as quick and as power mind—which is to take a field I should not care. and of course, the motion as quick and as pow-mind-which is to take a field, I should not care erful as can be effected.

a plough, which will require just 300 lbs. power (indeed if it partook a little of all, it would afford of draft to propel it, (that is just about a hand-the best opportunity of realising the utility of the some draft for a pair of horses to draw,) they will implements,) have it struck out in lands of con walk off in their handsomest style, not disposed venient width, and then let the competitors ar to hurry or be refractory; because the pressure range themselves, and commence precisely at (or draft) does not affect the touch so hard as to nine o'clock, A M .- take their lands alternately, lame. On examining the foot some ulceration produce much excitement.—But if we attach and plough just six hours, or until three o'clock, will be found between the claws or hoofs, somethem to a plough that will require 450 pounds of P. M. Then the committee, (aye and every business penetrating under the horn; when this is draft to propel it, that is 50 per cent, more, which dy else,) would have an operation of the ploughs to full satisfaction part must be completely pared away with a sharp

only just and right, but also very desirable.

In the present common mode of testing ploughs, the first thing is to obtain a nice smooth level tain the fact. Because there is no doubt, that if to a single per cent But the great and impor-

how rough or smooth, level or inclined, whether a Again: if we attach a pair of smart horses to green sward, clover hay, stock or stubble ground;

perfect. In order to give an idea of what has horses to draw, and more than they are able to both as to their performance, and the labour of farmers, is a subject of much speculation .- I have believe could have ploughed another eighth in Here I will relate a circumstance that took less time than it did the first. And that there

we may put a good plough into the hands of an work But after having ascertained which is the best plough, it is very rational to conclude, that, that is the plough with which any kind of a ploughman would do the best work. The object

George Town, (D. C.) }

-00-DISEASES OF DOMESTIC ANIMALS AND THEIR CURE.

Foot Rot. A disease in the feet of sheep, which is first discovered by the animal becoming will be found between the claws or hoofs, some-

following preparation: Take
Blue vitriol, of cach of cach one ounce; Alum,

Vinegar, four ounces; Water, eight ounces.-Mix.

with water.

Verdigris in powder, one ounce; Nitrous acid, two ounces;

subtimate in muriatic acid; but these must be well rubbed with the following liniment: used with caution, and often require to be diluted

It is essentially necessary in this disease, to keep the feet from moisture as much as possible, particularly for an hour or two after they have tion of those who are interested in the subject.

Foul in the foot. A disease incident to horn in sheep. According to Mr. Skerrett, it proceeds with costiveness. from two causes; accidents, and a morbid state of the system. The accidents which produce it are gravel, or other hard bodies getting between the claws, and causing by their pressure and friction great pain and inflammation. This, he says, may be cured by the following ointment cipline or learning, but now it is taken for that ces, &c. spread on tow, and bound on the part. It may science, which teaches or contemplates whatever Mathematical demonstrations, are a logic of as be superfluous, perhaps, to add that the part is capable of being numbered or measured. That much or more use, than that commonly learned is capable of being numbered or measured.

Clater's description, that they have given the useful for all sorts and degrees of men, from the same name to different diseases. Skerrett's highest to the lowest. cious, and I suppose has been found successful tain, that no curious art, or mechanic work, can But I should not trespass on the reader's patience either be invented, improved, or performed, Water, four ounces.—Mix. treatment, if I did not think that its injurious ten this, that astronomers are put into a way of makIn slight cases, or at an early period of the dency ought to be exposed. After he has informed ing their observations, coming at the knowledge complaint, the first recipe will generally be found us that the disease is "attended with considerable of the extent of the heavens, the duration of time. complaint, the first recipe will generally be found us that the disease is "attended with considerable of the extent of the heavens, the duration of time, to succeed; but in more inveterate cases, the second will be found more efficacious. When these applications fail, other astringents and caustics may be tried; the former for incipient or slight cases, the latter for such as are of long standing. A solution of blue or white vitriol, of be done for two or three days together." "But," sent to our view at once, the magnitude and form the disease is "attended with considerable of the extent of the heavens, the duration of time, the motions, magnitudes and distances of the heavens, the duration of the motions, magnitudes and distances of the heavens, the education of the motions, magnitudes and distances of the heavens, the duration of time, the motions, magnitudes and distances of the heavens, the education of time, the motions, magnitudes and distances of the heavens, the duration of time, the motions, magnitudes and distances of the heavens, the duration of time, the motions, magnitudes and distances of the heavens, the duration of time, the motions, magnitudes and distances of the heavens, the duration of time, the motions, magnitudes and distances of the heavens, the duration of time, the motions, magnitudes and distances of the heavens, the duration of time, the motions, magnitudes and distances of the heavens, the duration of time, the motions, magnitudes and distances of the heavens, the motions, magnitudes and distances of the heavens, the motions, magnitudes and distances of the heavens, the motions, magnitudes and distances of the motions, magnitudes and distances of the heavens, the m standing. A solution of older of white virtin, of the done for two of three days together. But, sent to our view at the earth, the vast extent of the seas, ful astringent; and a strong caustic may be made inflamed," (I should be much surprised if it were the divisious of empires, kingdoms, and provinted by dissolving red precipitate in nitrous acid, or not so, after the Doctor's dressing,) let it be ces.

Camphor, one ounce;

Spirit of turpentine, four ounces;

Oil of bays, Ointment of elder, ounces. Cintment of marsh mallows,

been dressed; when the sheep should be kept in And then if the tumour be likely to suppurate, just measures for the structure of buildings, as a dry fold yard, and afterwards turned into some apply the following poultice: tar one pound, private houses, churches, palaces, ships, fortifiupland, dry pasture. It is equally important to melt it over the fire, then add linseed in powder cations, &c. examine the foot every time of dressing, lest half a pound. The doctor concludes his submeasure defended from it, by means of tar ren- any inflammation it may have produced; if the sun's declination, altitude, amplitude, azimuth, dered more adhesive by the admixture of a little inflammation run high, a poultice of linseed and other astronomical matters. pitch or rosin. When spungy or proud flesh meal and bran will, perhaps, be more effectual. By geometry, the surveyor is directed how to springs up between the claws, it should be re- if the beast is feverish, bleeding will be proper; draw a map of any country, to divide his lands, moved either with the knife or lunar caustic. if costive, a laxative drench. Should ulceration and to lay down any plot of any piece of ground, Some useful observations on foot-rot have been be observed after the inflammation has been and thereby discover the area in acres, rods and published by M. Pictet in the *Philosophical Masub* be observed after the inflammation has been and thereby discover the area in acres, rods and published by M. Pictet in the *Philosophical Masub* be observed after the inflammation has been and thereby discover the area in acres, rods and published by M. Pictet in the *Philosophical Masub* be observed after the inflammation has been and thereby discover the area in acres, rods and subdued, try first an astringent wash, as a solution perches. The gauger is instructed how to find gazine. He found the acetate of lead or satarine of alum, white vitriol, or sugar of lead; and if the capacities or solid contents of all kinds of vesentate useful, (I suppose sugar of lead and thereby discover the area in acres, rods and published by M. Pictet in the *Philosophical Masub* of alum, white vitriol, or sugar of lead; and if the capacities or solid contents of all kinds of vesentate useful, (I suppose sugar of lead and thereby discover the area in acres, rods and published by M. Pictet in the *Philosophical Masub* of alum, white vitriol, or sugar of lead; and if the capacities or solid contents of all kinds of vesentate useful, (I suppose sugar of lead and thereby discover the area in acres, rods and published by M. Pictet in the *Philosophical Masub* of alum, white vitriol, or sugar of lead; and if the capacities or solid contents of all kinds of vesentate useful, (I suppose sugar of lead and thereby discover the area in acres, rods and published by M. Pictet in the area in acres, rods and published by M. Pictet in the area in acres, rods and published by M. Pictet in the area in acres, rods and published by M. Pictet in the area in acres, rods and published by M. Pictet in the area in acres, rods and published by M. Pictet in the area in acres, rods and published by M. Pictet in the area in acres, rods and published by M. Pictet in the Goulard's extract are meant,) and lapis infernalis If it degenerate into, or appear at first, as a foul measurer is furnished with rules for finding the to destroy bad flesh. He thinks the disorder is spreading sore, dicharging stinking matter, some areas and contents of superficies and solids, and contagious. A copious extract from M. Pictet's caustic preparation will be most effectual; not casting up all manner of workmanship. All these work may be found in a Treatise on the Disease omitting to pare away freely any horn under and many more useful arts, too many to be enuand Management of Sheeft, hy Sir George Stewwhich the disease may have spread; and to keep merated here, wholly depend upon the aforesaid art Mackenzie, bart., and is well worth the attenthe parts from dirt and moisture. The disease sciences, viz. arithmetic and geometry. appears to be local; and bleeding or purging can. This science is descended from the infancy of only be required when the pain and inflammation the world, the inventors of which were the first ed cattle, which appears to resemble the foot-rot have brought on symptomatic fever, attended propagators of human kind, as Adam, Noah,

-0 DOCTOR FRANKLIN

ON THE USEFULNESS OF THE MATHEMATICS.

serves "it makes its appearance Edween the these trader computes the value of all sorts imperfect judgments, and unfit to rule and govern, claws of the hoof in the form of a hard crack, of goods that he dealeth in, does his business with Though Plato's censure, that those who did not claws of the hoof in the form of a hard crack, of goods that he dealeth in, does his business with

Though Plato's censure, that those who did not attended with considerable inflammation: and in care and certainty, and informs himself how mata short time will discharge offensive matter simi-ters stand at any time with respect to men, money, of Euclid's Elements, ought not to be ranked lar to that in grease in horse's heels. At other or merchandise, to profit and loss, whether he

treatment appears to be in some respects judi- As to the usefulness of geometry, it is as cerso much as to transcribe Doctor Clater's mode of without its assisting principles. . It is owing to

> It is by the help of geometry, the ingenious mariner is instructed how to guide a ship through the vast ocean from one part of the earth to the of each, four other, the nearest and safest way, and in the shortest time.

By help of this science the architects take their

the ulceration spread under the horn; whenever ject by recommending two or three purging take the situation and plan of towns, forts, and this is observed, the horny part must be carefully drinks. The treatment of this disorder, or castles, measure their distances from one another, pared away, or the diseased part will be out of "foul in the foot," as farriers have named it, is and carry their measure into places that are only the reach of the remedy, and the ulceration may in reality very simple. If it be caused by gravel accessible to the eye. From hence also is decontinue to spread until the whole foot is affected, or other hard matter getting between the claws, duced that admirable art of drawing sun dials on When the land is so situate, that exposure to after washing the part, the application of some any plane howsoever situate, and for any part of moisture is unavoidable, the foot may be in some emollient ointment will probably soon remove the world, to point out the exact time of the day,

Abraham, Moses, and divers others.

There has not been any science so much esteemed and honoured as this of the mathematics, nor with so much industry and vigilance become the care of great men, and laboured in by the po-Mathematics originally signifies any kind of dis-tentates of the world, viz. emperors, kings, prin-

first to be washed. " Take soft soap and common part of the mathematics which relates to numbers at schools, serving to a just formation of the minds turpentine, of each one pound; let them be only, is called arithmetic; and that which is con enlarging its capacity, and strengthening it so, as melted together over a slow fire until they are cerned about measure in general, whether length, to render the same capable of exact reasoning, perted together over a slow life until they are certified about integer and discerning truth from falsdhood in all occur-be repeated two or three times, which never fails to complete a cure." Mr. Clater, being a drug-known that no business, commerce, trade, or em-which reason it is said, the Egyptians, Persians, to complete a cure." Mr. Clater, being a drug-known that no business, commerce, trade, or em-which reason it is said, the Egyptians, Persians, and Lacedemonians, seldom elected any new gist as well as a cow doctor, does not consider it ployment whatsoever, even from the merchant to and Lacedemonians, seldom elected any new as a local disease, and thinks that "cows of a the shopkeeper, &c. can be managed and carried kings, but such as had some knowledge in magross habit suffer most by it:" generally he ob on, without the assistance of numbers; for by thematics imagining those who had not, men of the contract of the contract

sal learning who is destitute of a competent knowledge in the mathematics, is no less so.

The usefulness of some particular parts of the mathematics in the common affairs of human life, has rendered some knowledge of them very necessary to a great part of mankind, and very concallings.

remissness in the prosecution of them.

Philosophers do generally affirm, that human United States. knowledge to be most excellent, which is conversant amongst the most excellent things. What science then can there be, more noble, more excellent, more useful for men, more admirably high and demonstrative, than this of the mathematics.

I shall conclude with what Plato says, lib. 7, this study."

to Ruris Consultus.

TO THE EDITOR OF THE AMERICAN FARMER.

To mend the matter again, the very next fiece, evident that previous to 1820, the amount annually give it better effect, or better stamp it with orthomanufactured by "wool gatherers," rag gatherers, ore-gatherers, &c. owners of "wind mills that | Hamilton. | Edit. Am. Far. go by water," was upwards of 32 millions of dollars; and that the capital invested, (and most of which is at this day, for want of the new tariff, lyers (except as stalking horses to disguise a financial tariff, making a rich treasury and a poor peo-

unjust; yet to give a man the character of univer- to try this untrod and thorny path in 1813, to aid the country in its " second struggle for Independence," nevertheless, "let them go to the d-l," said the Chancellor of the Exchequer, or Committee of Ways and Means, in 1816; and so says

Dear Sir,

Domine Ruris Consultus, and that unsociable

Knight, the honorable Mr. Randolph, in 1824; in you requ Those whom necessity has obliged to get their the successor of our present worthy President thence for Baltimore, a small parcel of this seed, bread by manual industry, where some degree of don't prevent them from performing a most and should that not prove enough for your purbe safely listened to by every farmer in these

> PHILO-HAMILTON. Frederick County, April 3d, 1824.

[We have already published the Report of the Agricultural Committee, in Congress, mentioned usefulness of geometry, being to this purpose, that is all that concerns our readers; witticisms "Dear Friend-You see then that mathematics and jeux d'esprit are well enough, once in a while; are necessary, because by the exactness of the they may sometimes serve to enliven arguments, method, we get a habit of using our minds to the with which they are interspersed, but for the will gain this advantage, that their minds will be the surface, do not enrich the soil of agricultural ploys it more, nor makes it susceptible of atten- that are glittering and useful in their proper worth cultivating, ought to apply themselves to for anonymous writers turning aside from the useful. this study."

for anonymous writers turning aside from the useful. supposed adversaries, its like the fighting of blind cocks; they are apt to pass each other without entertaining the spectators-we do not envy EXTRACT-From Philo-Hamilton, in answer Hamilton his valiant friends, he deserves them; but surely no living writer was ever more ready to defend himself.

With respect to the Report of the Committee on Agriculture, we may here mention a fact, to shew the zeal and activity which characterises that side of the question. This report has been To mend the matter again, the very next fiece, (a forty-two pounder) was, by the mal-a-pert arrangement of your imposer,* headed MANU-time we had received it direct from an atten FACTURES—being an official "statement of the amount and VALUE of dutiable articles, may be a valued friend, an honorable member the amount and VALUE of dutiable articles, may be a valued friend, an honorable member to the amount and value of dutiable articles, may be a valued friend, an honorable member to us by no less than seven correspondents. FACTURES—being an official "statement of tive and valued friend, an honorable member adequately encouraged, the enterprise will protect the amount and value of dutiable articles, major of congress, and had put it in the way of being duce very important advantages to science, nufactured annually in the United States, the published and preserved as a matter of course in amount of CAPITAL invested, &c." from which it is this journal, and we concluded that we could not

Hamilton.] Edit. Am. Far.

† Manufacturers were not then stigmatized, as " greedy, improvident, and miscalculating builders down!) is now upwards of 70 millions of dollars; of air-castles for manufacturing." Let him stand of North Carolina,* present at least, the leading which is of greater amount and value (if in full forth as tangible as they do, and then we could as features of its geology, and mineralogy. It should be very desirable also, that the Botany, play) than all the shipping and mercantile capitals ofterly discern what epithet would best befit the man of the country together. But as the Treasury in and his vocation. The utility, however, nay, the 1816, thought they could do without manufactur-necessity of these "air castle builders," and of those " wind mills that go by water," has become so evi dent as to induce a great man to do a great thing, ple) although the government had held out the to recant and publicly acknowledge that he had enmost coaxing, but alas, seductive persuasions, to tertained a long cherished and erroneous opinion men of capital, enterprise and patriotic feeling, them, I mean Jefferson himself.—Whether Ruris Consultus can ever possess the same * For the meaning of this technical term, Ruris magnanimity is of very little consequence to the manufacturers or their friends.

TO THE EDITOR OF THE AMERICAN FARMER.

BENE SEED-ITS CULTURE AND USE. Skidaway Island, Jan. 31st, 1824.

Your letter of the 19th, has reached me, wherein you request some bene seed for the purpose of venient to all the rest that are any way converbut so say not the great body of the farmers, and distributing among your friends who are desirous sant beyond the limits of their own particular so says not the nation; and they'll find my words of cultivating it; I have sent you, or will send true e'er congress rises, if their infatuation about you from Savannah, by the first vessel that sails art is required to go along with it, and who have solemn and important duty:—and as a "juxta povery often found advantages from them sufficient sition" fiece, equal to a whole battery and all the to reward the pains they were at in acquiring "geese" of old Rome too, I have to request of be sown early as possible after the frost is out of them. And whatever may have been imputed to you Mr. Editor, to copy into your useful columns the ground, care should be taken that some shelsancy and loss of time, yet these, I believe, never culture"—a committee which has a Van Ransel-so so soon as the seed ripen you would be apt to loose caused repentance in any, except it was for their LAER as chairman, and whose voice may always them. The least agitation causes the pod to open and the seed will fall, and in all probability be lost. The negroes in this part of the country are well aware of its virtues as a medicine; they likewise cultivate it for food; it is thought by them to be much better in soup than okra, and it is used by them in the same manner. I am told it is very good, but have never tasted it. You are well aware that oil of a superior quality, is extracted above. The writer will see that we have omitted from the seed. Mr. John McQueen (whom you I shall conclude with what Plato says, 110. 7, above. The winder that we have different to the excellence and nous of the argumentative part of his letter, and mentioned in your letter, and is now dead) told usefulness of geometry, being to this purpose, that is all that concerns our readers; witticisms me that the oil was equal, if not superior to the olive oil; and the reason that he did not pursue the cultivation of it for that purpose, was on account of the difficulty of collecting the seed, bebest advantage: and it is remarkable, that all men being capable by nature to reason and understand the sciences; the less acute, by studying this though useless to them in every other respect, will gain this advantage, that their minds will be the surface, do not eurich the soil of corrections. improved in reasoning aright; for no study em- essays; as the cook removes the scales of the fish, my mite in promoting the cause of agriculture throughout our union, and at any time you may tion so much; and these who we find have a mind elements, but are of no value on dry land. As command my services as you may deem them

With regard, yours, &c. ROBT. M. GOODWIN.

FROM THE AMERICAN JOURNAL OF SCIENCE. for June 1822.

Geological Survey of North Carolina.-We understand that Professor Olmstead of the University of North Carolina, will soon commence a series of geological and mineralogical observatious, intended, eventually to comprehend a scientific survey of the State. From the known intelligence, zeal, and scientific attainments of Professor Olmstead, we cannot doubt, that if agriculture, and the other useful arts; and will prove highly honourable to the very respecta-ble State of North Carolina. In no way, in our apprehension, could the same sum of money be more usefully expended; and it would be no small honour to have set the first example of the scientific survey of an entire American State. We hope then to see the next edition of the map and if practicable, the Zoology of the country should be investigated at the same time.

PROPOSALS

For publishing by subscription, a Practical Treatise, on the diseases of the foot of the Horse, containing a correct description of their

Consultus must apply to the Printer.

^{*} Price and Strother's map of North Carolina from actual survey, has great merit.

nature, causes, and methods of prevention, with suggestions of improved plans of treatment, founded on physiological principles. Also, rules of shoeing, by which the ordinary evils attending this process, may be in some measure prevented. Dedicated, by permissson, to General Charles Ridgely, of Hampton, by Richard Hayward Budd, Veterinary surgeon. Second edition, revised and improved by the author.

This work has been submitted to several genanimal. The work was published in England a been appreciated.

"Mr. Budd, we look upon, from the testimony settlers in Virginia soils; that I know it to be a of his book, to stand in the superior rank of veterinary Surgeons, and he seems to be in need to wasting time to cart it away." of nothing but the opportunities to evince his claim to the highest distinction of merit and utility in the professional line which he has DEAR SIR, chosen"

"We think this author's choice of subjects difficult diseases of the horse, on which he gives the results of his own experience." "Tracts like these, of the practical experience of the author, are far more valuable at the present time, and ought to be in far greater request, than general Veterinary Treatises, with which the British public has been long since furnished to satiety." "We conclude with strongly recommending this book, not only on the score of its practical and professional ability, but for those traits of humanity and feeling, which are occasionally visible."

The above extracts from the Sporting Magazine, are sufficient to enable the reader duly to DEAR SIR, appreciate the merits of this work.

CONDITIONS .- It will be printed on good paper,

EDWARD J. COALE, opposite the Post Office.

[We have seen the above treatise, and fully concur in the favourable opinion expressed of it. Works of this description, wherein the subject is treated on scientific principles, and these principles illustrated and enforced by the experience of an intelligent author, who has made the veterinary art his particular study, in the best school in England, may be safely recommended to the American publick.—But the approbation of the gentleman to whom the work is, by permission dedicated, and who is both an amateur and con-

them and the publishers, by bespeaking copies

Editorial Correspondence.

EXTRACTS FROM THE AGRICULTURAL CORRES-PONDENCE OF THE EDITOR OF THE FARMER.

to brighten the ideas, and improve the agriculture of the pioneers of the back and western country; in the hands of every one who may own a horse, substance in the soil is exposed to the air, and of and regard the comfort and health of this useful course goes off. I am convinced by my short ex-May, in which the author and the work are both the advantage to be derived from this course, is noticed with great respect. The following short the rotting of all the small roots, leaves, &c. and extracts from the review are selected, in order when ploughed the third year a rich soil for a to shew how Mr. Budd's labour and science have number of years is secured, without manure, which is an article so little attended to, by new

Nottaway Co. (Va.) April 6, 1824.

The Egyptian millet you sent me, I think very season about 5 feet long at each cutting.

the best kind selling for 1-3 what fair price was 10 years since. Labour this season is quite low compared with former years, the best men obtaining only \$10 per month and board; a farmer free from debt is as well off as formerly, but ruin must fall, and that speedily on all those involved.

Waddington, 7th April, 1824 } St. Lawrence county, N. Y.

If I have not already acknowledged your attention in sending me small parcels of millet, Swedin one volume duodecimo, neatly bound and ish oats, barley, wheat, and ruta baga seeds, I lettered, for one dollar, payable on the delivery embrace the opportunity of returning you my sincere thanks. The result was as follows: one Subscriptions received by Budd & Fenner, season was too short for the millet, it grew strong at their Livery Stables, and at the Bookstore of but did not head out; the oats and barley did well; the wheat will not be harvested before Au- may be thrown on them by means of a common gust; the ruta bagas were excellent; I procured swansdown puff, or even by a dredging box. 50 bushels from the seed you sent, and have Fresh assurances have repeatedly been re-distributed several bushels for seed among my ceived of the powerful influence of sulphur friends.

Mobile, January 20, 1824. sufficient guarantee, that the Treatise is worthy els of rough rice to the acre the last year at my tinctly the accumulation of health. cowpen, or land that would not have brought ten We shall be rendering a willing service to bushels of corn; I do not know that the bearded TO REMOVE HERBS AND FLOWERS IN THE SUMMER. rice is much better than the smooth; I grow both; of the book for any of our subscribers or cor respondents, who may indicate a desire to secure them.]—Edit. Am. Far.

Bowling Green, 1st April, 1824.

DEAR SIR,

'The section of country in which I live, is yet young; too young for the labours of the husbandmen to have been carried to a great extent of Taberg, N. Y. 12th April, 1824. wealth and profit. Efforts, however, are making "Cannot you get some of your correspondents, to rouse a spirit of emulation, of honest competition, among the farmers. I am one of those who believe, the farming interest is the great interest I find a general defect round me, in taking off too of this nation: that the destinies of the governtlemen, who have been many years familiar with many corn crops, before the ground is laid down the treatment of horses, and they are of opinion to clover; the result is, a difficulty in seeding, on the practical illustration of this principle. No it is a valuable practical work, which should be and general growth of some. All the vegetable man whose views have extended beyond the Alleghany mountains, could for a moment doubt the designs of providence, in regard to the vast reperience in this new country, that where a settler gions of the western country. You are acquainted with the history of what we familiarly call the few years ago by the author, who now resides in the city of Baltimore. There is a review of it of some length in the Sporting Magazine for April 1816, and continued in the number for ed to all the purposes of the agriculturist. We want nothing now but a dense population and a spirit of enterprise and perseverance The genius of improvement has not yet been at work among us. Our planters are slow in changing the rules settlers in Virginia soils; that I know it to be a and habits to which they have been accustomed from their infancy: and are too much disposed to say with the honest Dutchman, who ploughed his team through the deep and miry sloughs of the old, in preference to the greater conveniences of the new road—" mine fader drive here, and I drives here too." An agricultural society is now in contemplation in this place. Its constitution highly of; it grew 14½ feet high, and some of the was formed a twelve-month ago, and we anticiseed threw up one hundred branches, I cut one pate good from it. I circulate your paper among judicious, as confined to farticular accidental and bunch only, and cut that three times in the my friends, and nothing but the miserable, wretched condition of our currency, prevents a gene-ral subscription to it. We pray for better times, There is a point of depression surely, beyond Newburyhort, (Mass.) Afiril, 16, 1824.

Agriculture is at a low ebb here. Farms of which our affairs cannot go. I have no doubt we have reached it. If you will send me a subscription paper, I will exert myself to add respectable affa patrons to your list." JAMES T. MOREHEAD.

You would confer a great obligation, and perhaps an everlasting benefit, on a subscriber, by enquiring of your numerous correspondents, and publishing in the 'American Farmer,' a remedy for naturally weak eyes.

> -00 RECEIPTS.

TO DESTROY INSECTS ON PLANTS.

Tie up some flowers of sulphur in a piece of muslin or fine linen, and with this the leaves of young shoots of plants should be dusted, or it

against the whole tribe of insects and worms which infest and prey on vegetables. Sulphur has also been found to promote the health of "I send you a paper of upland bearded rice, plants, on which it was sprinkled; and that and feel well convinced it will come to perfection peach trees in particular, were remarkably in Maryland if sown early. A few years since an improved by it, and seemed to absorb it. It has impression prevailed, even here, that rice could been likewise observed, that the verdure and only be cultivated, to advantage, on land that other healthful appearances, were perceptibly could be flooded at pleasure. But now rice is fast increased; for the quantity of new shoots and dedicated, and who is both an amateur and connoisseur, in all that relates to the conformation and qualities of that noble animal, is, of itself, a sufficient quarantee, that the Treatise is worthy

If you have occasion to transplant in the sum-

mediately, and there will be no danger from the

the earth, you do not break any of the young shoots, as the sap will exude out of the same, to the great danger of the plants.

THEE ENDERY

BALTIMORE, FRIDAY, APRIL 30, 1824.

The increased duty on iron, imposed by the Tariff Bill as it passed the House of Representatives, has been stricken out in the Senate by a vote of 24 to 23-every member being present except one from Illinois, not yet elected in lieu down and mixed with clay and sand, found to be wood, and a fine never failing stream of water of Mr. Edwards.

The Serjeant at Arms of the House of Representatives at Washington, has sent his deputy after Mr. Edwards, it is expected he may be in Washington again by the 15th May. Congress will probably rise about 1st June.

Lieutenant Weaver has been suspended by the Franklin from the Pacific, when he will be tried. -The Secretary is doing all that zeal and energy can do to maintain and elevate the character of the navy; but he must not hope to please every body .-- At one moment we hear a clamour that be investigated .- The whole proceedings in another case, ought to be published to the world, to give the world something to talk about; and in the malignant hope with some of seeing some valuable officers' reputation blasted .- The fact bright in pear trees. is, if the head of a Department suffer himself to be driven from his course by every newspaper puff, he will soon find himself afloat, without system and without principles.—We know of no abuse that Mr. Southard has not arrested, as far as he could, and no defect that he has not en deavoured to reform; but this is a government of PRICES OF COUNTRY PRODUCE - carefullegislation and he cannot make laws and execute them both-let us see what Congress will do.

he left Key West, an expedition was fitting out for a cruize, to be commanded by Capt. Wilkinson. The U. S. ship John Adams, was lying at Key that has been offered in this market for many tion may be made to the subscriber near the pre-West, with Commodore Porter and his family on years—and in justice to Mr, B., we are authoriboard. All the officers and crew of the squadron, sed to state, that the tobacco was assorted and and all on Thompson's Island and Key West, packed as evenly as it was possible to pack tobacwere in good health

The election of deputies to the new parliament in France has resulted in the choice of 413 royalists, and 17 liberals. Last year there were 110 iberals.

Sales at Havre, March 23d. 209 bales Georgia cetton, 1 25-115 do. 1 30-45 do. 1 30-156 do 1 284. Sale 21st, 50 bales New Orleans, 1 50.

The British Parliament, following the example of the American Congress, is about to declare the slave trade, piracy, and to be punished accord

Number of Brewers in England and Scotland. 1990—quantity of streng beer brewed, 4,265,871 barrels; small beer brewed in Britain, 1,290,275 The quantity of beer brewed in Britain it is said

to govern us."
The Frigate U. S. Capt. Hull, arrived at Rio Janeiro, February 10th, and sailed one week after for the Pacific Ocean.

SEEDS, SPECIMENS, &c .- Left at the Office of the American Furmer since last notice.

Guernsey parsnip seed, from Joseph Kersey, Pennsylvania-distributed.

IF A box of supposed marl, or shells broken a great amender of the soil on the eastern shore of Maryland-presented by R. H. Goldsborough, the tavern -The whole is under the enclosure Esquire.

Two bottles currant wine from John Mc Dowell, Jr. Esq. of Steubenville, Ohio, made in and others bearing a luxuriant growth of clover. the summer of 1822; of beautiful colour and pronounced by connoisseurs to be superior to any home made wine they have ever tasted; equal to the and the house and lots about it will rent readily, Lieutenant Weaver has been suspended by the Secretary of the Navy, until the return of the to distinguish it. N. B. A great proportion of the This Farm is a good distance from town for a Champaigne we drink, is made from the white milk establishment, and no situation could be currant.

remedy for the disease called BIG HEAD in horses This information is sought by an agricultural so- petent person conducting such an establishment, there are too many courts of enquiry—too many ciety in the south, where the disease is making would render great service to the publick, and courts martial—too much publication in the pargreat havoc. The Editor can find nothing of it should have the aid and influence of the Ameripers of disputes between navy officers.—Before in his books; and an experienced veterinary can Farmer in his undertaking. that clamour subsides, a storm rises in another surgeon from London, says the disease never to save trouble the price of the property is quarter—too much lenity is practised—This officers—too much lenity is practised—This officers—too much lenity is practised.—This officers—too much lenity is practised—This officers—too much lenity is practised—too much lenity is practised—t quarter—too much lenity is practised—This officame under his observation in England.—FA \$4500—\$100 cer ought to be arrested—That affair demands to more particular description of the disease beral credit. and its symptoms is desirable—with notice of the previous diet and treatment of the animals.

Also, as to the cause and means of preventing or curing the yellows in peach trees, and the

melons of different sorts.

ly collected every Thursday, for the American Farmer.

MARYLAND TOBACCO.—Mr. Michael Bartho-From Key West .- We learn from Lieut. H. low, of Frederick county, had three hogsheads From Key West.—We learn from Lieut. H. 10w, of Frederick County,
Bruce, passenger in the Pacification that when opened at State Warehouse No. 1., on the 27th commands a noble prospect, and is remarkably healeft Key West, an expedition was fitting out instant, which sold for \$25, \$41.50, and \$50.—
healeft Key West, an expedition was fitting out instant, which sold for \$25, \$41.50, and \$50.—
healthy. This farm will be sold very low, and the company to the command of th co, and was in most excellent order, which was the principal cause of the very high price.—The three hogsheads brought upwards of \$900—the lone which sold at \$50, weighed 75 —and was puricular of Society of south Carolina—Remarks on the hitherto chased by. Mr. W. P. Dunmington, who has since erroneous manner of testing the qualities of ploughs, and sugsold it for \$55, and it will probably be sold to gesting a more favourable method—Diseases of Domestic the shipper for \$60.—The one which sold at animals, and their cure—On the Usefulness of the Mathematics—Extract from Philo-Hamilton, in answer to Ruris Content of North Carolina—Proposals for publishing by subscription, ight howsheads, from ten acres of new land—a Practical Treaties, on the Diseases of the Foot of the the principal cause of the very high price.—The uferior qualities are very low.—Several crops Notices—Prices Current—Advertisements, kee com Charles county, have sold from 1 50 to _ 32 50 and \$3.

heat the next day; but be careful in digging up quis of Lorrejo, the King's minister and favourite. -Potatoes, very plenty, at 20 to 25 cents—uther the earth, you do not break any of the young "We have not found angels in the shape of men articles same as last report. articles same as last report.

No change in the price of Grass Seeds

FOR SALE,

"The Maryland Tavern,"

Four miles from Baltimore, on the Frederick Turnpike road, together with 55 acres of land; all in fee simple.—The tavern is a very commodious new house, built of stone in the best manner, with a good back building and cellar of the same materials .- About twenty acres are in passing through the centre of the land, and near chiefly of new chesnut post and rail, and divided into suitable lots, some of which are in grain,

It is on this property that the Maryland Cattle Shows are held during three days in every autumn, better adapted for the purpose of keeping a nur-Wanten-Information as to the cause of, and sery and garden, for raising choice fruit trees and vegetables, and the seed of them for sale-a com-

Poplar Neck.

The subscriber offers for sale the above farm, containing about 1000 acres of land, near 300 of which are well set in valuable timber. The im-F SEED-Wanted a few of choice kinds of provements consist of a brick mansion house with a frame kitchen adjoining, an excellent frame carriage house, stables, barns, sheds, overseer's house, &c. The soil is equal to any in the state, and well adapted to the growth of grain or tobacco. There are also attached to the farm, two very valuable fisheries. The situation is on the Chesapeake Bay, at the mouth of Elk River, in Sassafras Neck, Cæcil county. The site of the mansion The last hogshead was superior to any tobacco the terms made easy to the purchaser. Applica-

HENRY W. PEARCE.

CONTENTS OF THIS NUMBER.

ight hogsheads, from ten acres of new land—a Proposals for publishing by subscription, ight hogsheads, from ten acres of new land—a Practical Treatise, on the Diseases of the Foot of the six of which, have brought him upwards of Horse-Extracts from the Editorial Correspondence, day 1400, and the whole will probably yield little ted Paberg, New York; Nottoway County, Virginia; Newsfort of \$2000.—Four hogsheads made by Mr. buryfort, Massachusetts; Waddington, St. Lawrence county old for \$17 per hundred, round—but tobacco of To remove herbs and flowers in the summer—Editorial Massachusetts and powers in the summer—Editorial Massachusetts and powers in the summer—Editorial

The quantity of beer brewed in Britain it is said would float all the British vessels of war now in commission.

Wharf flour, \$5 62½ to \$5 75 per bbl.—West commission.

Prince Don Miguel, son of the King of Portu Sh, is charged with having assassinated the Mar
13 to \$1 14—Barley, 60 to 65 cts. per bushel

AGRICULTURE.

THE PENNSYLVANIA AGRICULTURAL SOCIETY Will hold their second Exhibition and Cattle Show ference being had to the mode of feeding,) on Thursday the 14th, and Friday the 15th, of be awarded: NEAT CATTLE. For the best Bull, not more than 6 nor less \$40 than 2 years old, next best next best next best For the best Bull, not more than 2 years old, next best next best next best For the best Cow, not more than 7 nor less than 3 years old, next best next best next best For the best Heifer, not more than 3 nor less than 1 year old, next best next best next best For the best Heifer, not more than 12 months old next best next best next best For the best Bull of Durham blood, SHEEP. For the best Ram, not more than 2 years old next best For the best Ram, not less than 2 years old, 10 next best For the best pen of Ewes, not less than 5 in number, For the best Ram, of Dishley blood, not more than 2 years old, For the best Ram, of Dishley blood, not less than 2 years old, . For the best pen of Dishley Ewes, not less than 5 in number. For the best Ram, of Southdown blood, For the best Ewe, of Southdown blood, For the best Merino Ram, For the best pen of Merino Ewes, not less than 5 in number, For the best Broad-tail Ram, of Tunisian For the best pen of Broad-tail Ewes, of Tunisian blood, not less than 5 in number, HORSES. For the best thorough-bred Stallion, not less than 3 years old, For the best Stallion, fit for draught, not less than 3 years old, For the best Colt. not more than 2 years For the best thorough-bred brood Mare, not less than 3 years old,

For the best brood Mare, fit for draught, not less than 3 years old, For the best Filly, not more than 2 years old, 10 For the best pair of Draught Horses (reference being had to their performance in the Plough,)

OXEN, &c.
For the best yoke of Working Oxen, net more than 8 nor less than 4 years old (reference being had to their performance at the Plough,) For the best yoke of Working Oxen, not more than 4 years old, (reference being had

15 yards long,

to their performance at the Plough,)

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For the best Ploughman with Horses, For the best Ploughman with oxen, For the best Ox, not more than 9 nor less than 3 years old, bred in Pennsylvania, (re-10 For the best Steer, not more than 3 nor less October next, when, in conformity with the Act than 1 year old, bred in Pennsylvania, (reof Incorporation, the following Premiums will ference being had to the mode of feeding,) 10 SWINE. For the best Boar, not more than 4 nor less than 1 year old, next best For the best Sow, not more than 4 nor less 10 than 1 year old, . next best . For the best Pigs, not less than 5 in num-15 ber, not more than 9 nor less than 3 months 10 old, All persons to whom premiums shall have been awarded for Breeding Animals at the Exhi-25 bition, will be required to give such assurance, 20 for their continuance in Pennsylvania, one year straw, chip, or other vegetable material, 10 thereafter, as shall be demanded by the Directors. For the best Woman's Hat, . . thereafter, as shall be demanded by the Directors. CROPS. For the largest quantity of Flax, produced 20 on one acre, in Pennsylvania, For the best crop of Wheat, on not less 10 than 5 acres and not less than 40 bushels per For the best crop of Indian Corn, on not 20 less than 5 acres and not less than 80 bushels 15 per acre, For the best crop of Barley, on not less 5 than 5 acres and not less than 50 bushels per acre. For the best crop of Potatoes, on not less 10 than 5 acres and not less than 300 bushels per lacre. For the best crop of Mangel Wurtzel, on 5 one acre, and not less than 1200 bushels For the best crop of Pumpkins or Squashes 10 on one acre, fitted to withstand the winter (reference being had in all cases to the mode 10 of cultivation,) For the best specimen of Clover Seed, not 10 less than 10 bushels, For the best specimen of Orchard Grass 10 Seeds, not less than 10 bushels, 20 No person shall he entitled to the premium of- Household Manufacture, any Implement of Hus-20 fered for Flax, Barley or Wheat, unless he shall bandry, or Product of the Soil, whereof he or 10 have declared in writing, before the 1st day of she, shall not have contributed to the production July next, his intention to contend for the prize—or formation. 10 nor for Indian Corn, Mangel Wurtzel, Pumpkins 10 manner his intention, on or before the 1st day of 14th-of Horses at the Plough and of Ploughmen August next. BUTTER AND CHEESE. For the best Cheese, not less than 50 pounds \$10 For the best preserved Butter, not less than 25 pounds, which shall have been kept at least 3 months, SUGAR. For the best Sugar made in Pennsylvania, 10 not less than 100 pounds, POT OR PEARL ASH. For the best Pot or Pearl Ash, not less than 200 pounds DOMESTIC WINE. For the best Domestic Wine, not less than 15 gallons, CIDER. For the hest Cider, not less than 30 galls. IMPLEMENTS OF HUSBANDRY. For the best Plough, For the best Harrow, For the best Winnowing-Mill or Fan, HOUSEHOLD MANUFACTURES. For the best Linen Cloth, (for shirting or sheeting) I yard wide, and not less than 25

For the best Linen Diaper, 5-8 wide, and less than 25 yards long, 10 second best For the best Carpeting, 1 yard wide, and not less than 20 yards long, 10 second best For the best Hearth Rug, For the best Woollen Cloth, 3-4 wide, not 10 less than 20 yards long, 10 second best, For the best pair of Blankets, not less than yards wide nor 2½ yards long, second best, For the best Counterpane. For the best Woollen Knit Hose, not less than 2 pair, For the best Cloth made of Hemp, 1 yard wide, not less than 25 yards long, For the best Man's Hat, made of grass, second best, For the best specimen of Raw Silk, not less 20 than 50 pounds, No person shall become a competitor for the premium offered for any article of Household Manufacture, Wine, Cider, Crops, Butter or Cheese, unless such person be an inhabitant of one of the counties contributing to the funds of 20 the Association, or shall have been a member thereof at least four months immediately preceding the time of Exhibition, or shall be one 20 of the family of such member. It is explicitly declared, that in every case where the board of directors shall consider the ob-10 ject presented unworthy of distinction, they re-serve to themselves the right of rejecting it, al-20 though by literal construction it should be entitled to reward—and that in all cases where premiums shall be demanded, they will require such evidence from the claimants, as shall be satisfactory 10 to the Directors. No person will be entitled to a premium for 10 any Animal which he shall not have bred, or possessed, at least 4 months, immediately preceding the time of Exhibition-nor for any article of The trial of Oxen at the Plough, and of Ploughor Potatoes, unless he shall have declared in like men with Oxen, will be made on Thursday the with Horses, on Friday the 15th of October. No person will be permitted to contend for the premium offered for the best Ploughman, whether with Horses or Oxen, unless he or his father be the owner thereof. No Oxen or Horses will be received in competition for the premiums offered for their per-

formance at the Plough, unless they be driven 10 either by their owner or his son.

It will be at the option of the successful competitors for the highest premiums, which shall have been awarded for Neat Cattle, Horses and Sheep, to receive gold medals in lieu of money; and it will be at the option of those to whom pre-10 miums of the second class shall have been awarded for Animals of the same kind, to receive sil-10 ver medals in lieu of money—and it will be at the option of those to whom premiums of any other 10 class shall have been awarded, to require in heu 5 of money copies of the "American Farmer."

All Household Manufactures, and Implements of Husbandry, offered for premiums, must be deposited at the place of Exhibition on Wednesday, the 13th of October, before 6 o'clock, P. M.

10] No person can become a competitor for prizes

offered for Animals or Manufactured Articles, No. Age. who shall not have given notice in writing of such intention to the Assistant Recording Secretary before 12 o'clock on Wednesday the 13th of October; nor shall he be entitled to any prize, unless he shall have put the Animal or Article offered, in the place assigned by the Committee for its Exhibition.

No Animal will be received after 10 o'clock on

Thursday the 14th of October.

An Auctioneer will be employed for the sale of

Animals on the last day.

JONATHAN ROBERTS, President.

JOHN HARE POWEL, Cor. Secretary.

Vice Presidents, William Harris, James Worth, George Sheaff, Stephen Duncan, Thomas Serrill. ing. Directors, Manuel Eyre, Reuben Haines, Algernon Logan, Joseph George, William Darlington, Jessé Kersey, John G. Watmough, Job Roberts, Richard B. Jones, Elijah Lewis, William France, Thomas Smith of Del Sarred West. Hanny L. Waldell, John Elliott of Montgomery, G. W. Holstein, Matthew Roberts, John Wilcow, Free Marrie, Sarval D. cox, Enos Morris, Samuel Davis. Recording Secretary, Joseph Kersey. Assistant Recording Secretaries, John P. Milnor, Henry Serrill.

Extract from the Act of Incorporation.
Sect. 10. And be it further enacted, &c. That from and after the passing of this Act, if any person or persons shall bring any kind of Spirituous Liquors, Cider, or Malt Liquors, for the purpose of retailing, giving away, or vending the same, within the distance of two miles of the place where the Agricultural Meetings, or Exhibitions shall be held, except in stores or licensed taverns, he, she, or they shall forfeit the liquors so brought, or offered for sale, and on conviction before any justice of the peace of the proper county, shall pay a fine not exceeding ten dollars, for the use of the Company incorporated by this Act.

Due notice will be given of the place at which the Exhibition will be held.

February 1, 1824.

CONTRACTOR OF THE PARTY OF THE FOR THE AMERICAN FARMER.

Part of the Stud formerly owned by Col. John 12 .-TAYLOE, of Mount Airy, (Va.)

No. Age. 1.—1786. gr. h. Bel-Air, got by Medley; Selima by the Hon. J. Tayloe's famous running horse Yorick; bl. Selima, by Old Fearnought; Col. Tasker's famous imported Selima, by Lord Godolphin's Arabian. Oct. 1791, he ran his first race, 4 m. h. at Annapolis; and won five others with ease at Baltimore, Petersburg, Virginia, &c. He beat Butler's famous Camilla, and the best horses of the day; was beaten but once, when out of order after his races in Maryland, 1791; he ran a match of three 4. m. heats at Richmond, against 14 .- 1792. gr. m. Calypso, full sister of Bel-Air, Mr. Peter Randolph's Roan Colt, (Gim Crack.) Has been ever considered one of the best horses that has best horses of the day; (See No. 1)
1796, '7, '8, and '9, she won 13 races
and Henry, (Eclipse's antagonist) are
among his descendants by their dams
side. 1795 sold to Wm. Archic, Esq.
of Chesterfield county, Virginia.
2.—1786. s.g. Nantoaki, bred by Paniel C. Brent,
Esq. by Eclipse' dam by Ehnry 1791

Esq. by Eclipse; dam by Ebony. 1791 beat Mr. T. Ringgold's famous Cincinnatus, in a match at Annapolis, and two days thereafter won the J. C. purse.

3.—1786. b. m. Miss Fauntleroy, bred by G. Fauntleroy, Esq. by Wildair; Muslin Face; Yorick; Jenny Cameron; Childers, Traveller, &c.

4.————gr. h. Grey Diomed, bred by Richard Brooke, Esq. by Medley; Sloe; Vampire. 1793, won a match in Virginia, beating Mr. Page's famons Isabella; 1793, and '4 he won five other maces. 1793, and '4, he won five other races in Maryland and Virginia; lost but one race, being lame; and was esteemed one of the best horses of his day. 1798

sold to Mr. J. Blick. 5.—1787. gr. m. Sweetest, bred by A. Spotswood, 18.– Esq. got in England by Tattersall's, High Flyer; Virago, Mr. Hyde's noted imported mare. 1796, with her produce, Bel Air, was sold to Hugh

Quinlan, Esq. 6.—1788. s.m. Nanny O; by Pantaloon; Young Selima. (See No. 1.) 1792, won twice, lost once, and was sold to D. C. Brent,

Esq. 7.—1789. ch. h. Cantab, by Pantaloon; full brother to Nanny O. (See No. 6.) 1793, beat the famous Isabella in a match; 1794, was beaten in a match by the 20. famous Virginia Nell; and was sold to

A. Welles, Esq. s. h. Quicksilver, bred by H. Heth, Esq. was got by Medley; Wildair; Spark; Jolly Roger, and Valiant Mare. 1794, '5, won three races in Virginia, and was re-sold to Mr. Heth.

b. m. Louisa, bred by David Mead, Esq. got by Eclipse; Vanity, by Celer; Silver Eye. 1796, presented to Mr. Johnson, of Virginia.

10.-1790 s. m. Virginia Sorrel, by Virginia Sorrel; bl. Selima by Fearnought, (No. 1.) Never trained. Sold 1799, to Captain

John Dangerfield. 11.—1791. v. c. Wedding Day, by Bel-Air; Fearnought. Lost two races 1794, and '5. Sold 1795, to Henry S. Turner, Esq. b. m. Columbia, by Eugene; Young Selima, (No. 1.) Sold to Mr. William Holburn.

ch. m. Virago, purchased 1796, of Wm. Johnson, Esq. of Frederick county, Virginia, was got by Shark; old Virago, by Star; Mr. Panton's Arabian, a 25.daughter of Old Crab, &c. During 1796, '7, and '8, won ten races at Petersburg, Richmond, Fredericksburg, Annapolis, &c. beat the famous Virginia Vall. ginia Nell, and the best horses of the day; when aged was beaten by Maj. Hoskins' Minerva; esteemed one of the best runners that ever started in Virginia.

by Medley; Selima, by Yorick, a capital runner, beating Leviathan and the best horses of the day; (See No. 1) 1796, '7, '8, and '9, she won 13 races 28. at Petersburg, Richmond, &c. and was

Esq. and foaled at his seat, Cannons in England, got by Virtumnus; Mr. O' Kelly's Flirtilla, by Conductor; Flirt, by Squirrel; Helen, by Blank; Crab, out of an own sister 'to Old Partner, was a distinguished runner. 1797, won three races and died 1798.

1791, '2 & '3, he won nine racs at Baltimore, &c. was beaten but twice. 1793 sold to Mr. Lyles, of Maryland. 16.—1793. gr. m. Monomia, by Bel-Air; Sweetest; (No. 5.) 1797, broke down in training. Sold to Laudon Carter, Esq. gr. g. Leviathan, by the Flag of Truce, sire of Mr. Bond's famous First Consul. Purchased of E. Brook, Esq. 1798, after beating him with Calypso, (No. 14.) From 1798 to 1802, he won fifteen races at Petersbugh, Richmond, Annapolis, &c. beating all the best horses of the day; Minerva, Lady Bull, &c. Was considered the best horse that ever ran in Virginia, and is not supposed to have been since surpassed. 1802, was sold to Maj. T. E. M'Pherson, of S. C.

No. Age.

b. f. Madcap, bred by H. O'Keily, Esq. in England, was got by Anvil; O'Kelly's famous brood Mare Madcap, by Eclipse; Blank; Blaze; Greyhound, Cnrwen, Bay Barb, &c. Imported 1794; trained, but not successfully. 1791,

sold to Joseph Lewis, Esq. 19.—1794. b. h. Dungannon, bred by H. O'Kelly, Esq. in England; imported 1797, was got by Dungannon; Conductor; Flirt, by Squirrel; Helen, by Blank; Crab, out of Old Partner's sister. 1799, sold to Messrs. Philman and Harris.

ch. c. Volunteer, bred by Mr. O'Kelly, and imported with Dungannon, was got by Volunteer; - by Whipcord, own brother to Woodpecker; by Blank, Old Crab; Childers, sister to old Partner. 1798, sold to Fred. Miller, Esq.

of Botetourte county, Virginia. 21.—1795. gr. f. Aspasia, by Bel-Air; Polly Peacham, by Patriot; Mr. Page's famous Isabella. Sold 1796, to John Stith, Esq. of King George's county, Vir. v.g. Prince Le Boo, by Bel Air; Daph-

ne, by Figure. Sold to Mr. Bower of Norfolk, on account of G. Robertson, Esq. H. B. M. Consul, who shipped him to the West Indies, where he became the most distinguished runner on record.

v. c. Bally Shannon, by Wedding Day, (No. 4) Miss Fauntleroy, (No. 3.) Presented to R. Wormeley, Esq. gr. h. Florizel, by Grey Diomed; Loui-

sa, (No. 9.) 1798, won a sweepstakes at Annapolis, and was sold to Major James Walsh, of Greenbryar, Vir. s. c. Yorick, by Bel-Air; Virginia Sorrel, (No. 10.) 1799, sold to L. Carter,

Bel-Aria, by Bel-Air; out of Sweetest, (No. 5.) Sold to Hugh Quinlan, 26.—1796 Esq.

br. m. Castianira, dam of the celebrated Sir Archy, bred in England, got by Rockingham; Tabitha, own sister to Miss Kingsland, by Trentham, out of the dam of Pegasus. Was trained but not successfully. Beat Mr. Haskins' Celerity, at Richmond, and was put to breeding. Imported by J. T. 1799.

ch. f. Petworth, bred in England by Lord Egremont, was got by Dragon; Everlasting, the dam of Skyscraper. 1800, was run unsuccessfully, and exchanged for Expectation, (No. 42.)
b. m. Auvilina, bred in England, by
H.O'Kelly, Esq. and presented by him

to J. T.; was got by Anvil, out of Mr. Kelly's renowned brood mare Augusta, by Eclipse. Imported 1799, was sold to Col. W. Alston, of S. C.

No. 7.]	AMFRICAN FARMER.		51
No. Agr.		No. Age.	
301796. v. h. John Bull, of the Flanders breed,			
bred by Mr. Lowe, in England; imported 1799. Sold to J. Stith, Esq.	four races at Richmond, Petersburg, &c. was sold 1805, to T. Bowyer, Esq.		lina, (No. 29.)—Sold to John Snap,
	47.—1799. b.g. Duke of Limbs, (Experiment) by	62	Esq. Hap Hazard—full brother to Snap
Eclipse, (No. 7.) 1799, sold to J. C.	High Flyer. Purchased in 1800, won		Dragon by Collector.—Won a race
Lewis, Esq.	a race at Alexandria, and was sold to		1805, and sold to Mr Brook.
32.——br. h. Mendoza (Bruiser) by Boxer; Nan-	Howel Lewis, Esq. 48.—1800. b. m. Britannia, got in England, by	63.—1803.	s. m. Selima by Spread Eagle.—Vira-
Purchased 1800; won two races, and			go (No. 13.)—was sold to R. Wormeley, Esq.—repurchased and sold to Dr.
would have won others had he not bolt-	fleet, but invariably bolted.		Wm. Thornton,
ed. 1801, sold to John L. Alexander,	49. gr. f. Malvina, by Sterling; Calypso,	64.—1804.	ch. c. Trafalgar, by Mufti; Calypso,
Esq. 33.—1797, s. f. Lady Essex, by Grey Diomed;	(No. 14.) 1803, sold to Messrs. Roberts & Lewis.	65.——	(No. 14.)—Sold to Capt. Sayre. bl m. Maria, by Shark; bought of Col.
(No. 4.) Virginia Sorrel, (No. 10.)	50. ch. h. Harlequin, was bred by Genl.	05	Selden for \$2500, as a brood mare;
Sold to H. Quinlan, Esq.	Philip Stuart, of Maryland, he was		she was a distinguished runner—that
Davil: Miss Frant'area 1801 won a		66 100%	remained on the turf till 14 years old.
Devil; Miss Fauntleroy. 1801, won a race in Virginia, and was sold to Jos.		00.—1003,	Esq.—was got by Arch Duke; Celeri-
Lewis, Esq.	one at Washington; that was lost by		ma by Celer-Medley-Fearnought-
35. b. c. Kill Devil, (Ajax) bought of Maj.	accident.		Othello-Spark-Queen Mab1810
James Blick; got by Dare Devil; At lanta, by Medlev; Pink, by Mark An-	51 —— hr. f. Desdemona, bought of D. M. Randolph, Esq. got by Dare Devil;		from, on shares.
thony; Jolly Roger. 1804, lost to Gen.	Lady Bolingbrook, by Pantaloon; Cades,	67.——	Musidora, bred by John Hoomes, Esq.—
Stuart.	by King Herod; Primrose, by Dove;		was got by Arch Duke: Dare Devil,
36.—— s. m. Cora, bred by John Stuart, Esq.			Clodino, Bolton—Sally Wright, by
got by Bedford; Little Moll, by Med- ley; dam by Mr. Raudolph's Wiltonia.			Yorick.—1808 sold to R. Wormeley, Esq.
Trained unsuccessfully.	who was sent to Kentucky.	68.——	Sir Archy, (Robert Burns) by Diomed:
37.—— Speculator, (Confessor) purchased of	52. b h. Oscar, by Gabriel, the sire of		out of Castinara, (No. 27.)—1808 run
Joseph Lewis, Esq. was got by Shark; Fluvia, by Pariner; out of the dam of	Post Boy; was bred by Gov. Ogle, of		as a colt successfully at Washington,
the famous Oracle; and grand dam of			having the distemper.—Was sold to Ralph Wormely, Esq.—became a dis-
Skyscraper. Sold to Wm. Helm, Esq.	ed runner, he beat First Consul in a		tinguished runner, and was subse-
38.—1798. b. f. Bellissima, bought of John Stith,	match, when he was deemed the best		quently sold for \$5000 Is now es-
Esq. was got by Melzar; dam by Old Wildair; Fluvia. 1801, won a sweep-			teemed the best horse in Virginia, and
stakes; 1807, gave her to George			has produced more fine colts than any horse that ever stood in America.
Bevans, Esq. of Annapolis.	sold to James Nabb. Esq. 1899.	69.—1806.	gr. f. Roxalana by Selim, (No. 77.)-
39.— g. f. Laura, by Grey Diomed; Polly	53.—1801. s. c Surprise, by Americus; Calypso,		Britannia, (No 48,) given to J. Tayloe,
Peacham. Sold to B. M'Carty, Esq. 40.——v. c. Harper, by Grey Diomed; Vir-	(No. 14.) 1802, sold to Col. William	70 1807	s. c. Hephestion, by Buzzard; Casti-
ginia Sorrel, (No. 10,) Sold to H.	Alston, of S. C. b. c. Clermont, by Spread Eagle; Peg-	10.—1001.	anira, dam of Sir Archy, 1809.—Sold
Quinlan, Esq	gy, (No. 41) 1804, sold to Col. Alston.		untried to the Hon. J. Taylor, of S. C.
41.— b. m. Peggy, bred by Lord Clermont,	of S. C.	** ***	for \$1400.
Peggy, a distinguished runner, and own	b. h. Topgallant, bought 1804, of Mr. Clayton, got by Diomed; Shark; Har-	71.—1808.	br. f. Castania by Arch Duke; Castianira (No. 27.)—1811, sold untried to
sister to Post Master, by Herod. Ini-			Allen Jones Davie, Esq. of S. C. for
ported 1799.	Janus. A capital horse, 1804, '5, '6,		\$1500.
42.——s. c. Gallatin, (Expectation) own brother to the famous running mare Ariadne;		72.—1809.	s. f. Violante by Sir Peter Teazle—
purchased of Hay Battaile, Esq. he was	ington won the first heat of 4 m heat-		Selima, No. 63, sent to Dr. Aug. Brown, to breed from on shares.
got by Bedford; dam by Lord Grosve-	ing Oscar, First Consul, and Floretta.	731811.	s. f. Alexandria, by Alexander; Ma-
nor's Mambrino, out of a sister to Nai lor's Sally. He won the Richmond	1811, sold to Dr. Wm. Thornton.		ria by Shark (No. 65.) sold to Dennis
sweepstakes, 2 mile heat; running two	56.—— ch. h. Hamlintonian, bred by Mr.	74.—1812.	A. Smith, Esq. of Baltimore.
miles, within his rate, in 3' 47". Was	by Apollo; Jenny Cameron, 1804 and	. 1. 1012.	Archy; bl. Maria by Shark, 1815—
immediately sold to Col. William Al-	'5, he won five races at Richmond, &c.		won the sweepstakes \$1800 at Wash-
ston, of S. C. for \$4000; his subsequent success established his reputation as	Among others one at Fredericksburg		ington—two days thereafter on win-
the best horse that ever ran in S. C.	4 m. h. running four heats, 16 miles Hamlintonian and Topgallant were		ning the first heat of three miles, was sold to Mr. Abner Robertson.—She
43.—1799. b. f. Bedlamite, by Cormorant; Mad-	beaten at Washington two years suc-		became a distinguished runner, having
cap, (No 18.) Given to R. Worme-	cessively, by Post Boy, the Maid of		won more than 20 races.
ley, Esq. 44.—— br. h. Peace Maker, was bred by J.	the Oaks, and Floretta, being out of	75,	s. c. Revenge, the full brother of Defiance, by Florizel, was bred by Maj.
Hoomes, Esq. he was got by Diomed.	order after their races in Virginia. 57.———— br. m Adeline, bought of Turner Dix-		J. Roberts—1815 was run successfully
Bought 1804, and won that year the	on, Esq. 1805, was not by Spread Famle.		and sold to Gen Ridgely.
J. C. purse, 4 m. h at Washington.	Whistle Jacket, Rockingham; Old	76.—1815.	b m. Miss Chance by Chance—Britan-
1805, lost the celebrated match with Florizel at Richmond, being out of or-			nia (No. 48.) by Selim, No. 77. Now owned by J. T.
der When a colt he ran two miles	7, and 8, won ten races out of eleven	77.——	Imported horses owned by J. T. as
over the deep and sandy course at	58. h. h. Cupbearer, by Bedford; Louisa.		Stallions:-g. h. Selim an Arabian,
Petersburg in 3' 43". The swiftest ra-	(No. 9.) Bought 1805, of J. Stith.		presented by Murad Bey to the late
cer recorded in Virginia. 1805, was sold to Mr. E. C. Stanard, of N. C.	Esq. 1806, won at Williamsburg, and		Gen. Sir R. Abercrombie—after whose death he became the property of Com.
45.— ch. f. Eliza, by Bedford; Virginia Sor-	sold him to Captain Graves, of Ken. Gestion, by Spread Eagle: Stella.		Barron, of whom he was purchased.—
rel, (No. 10.) 1802, sold to Mr. H	1805, sold to Turner Dixon, Esq		Was sent to Maj Groves in Kentucky.
King. 46 — br. h. Snap Dragon, hought of E. Brooke,	60.—1802. gr. f. Julia, by Spread Eagle; Calvo-	78.—1790.	b. h. Gabriel, bred by Lord Ossory,
Esq. was got by Collector; Fearnought,	so, (No. 14.)—Sold to T. Peter, Esq. of		was got by Dorimante; High Figer; Snap, &c. A celebrated runner in
	, conge town, D. C.		England—having won fifteen races,

beating the best horses .-- 1799 was sold, but died soon after.

horse, Magic; see the English Stud

81 .- 1811. Imported the b.h. Chance by Lurcher

N. B.-Such horses were bred by J. T. as are not otherwise expressed. The racing memoran—methods of preserving animals, which bid fair to greeable to insects; but this did not answer, and da have reference exclusively to such races as make them imperishable. When Mr. Waterton though he made a solution of aloes as strong as poswere run by J. T .- Those antecedent and sub sequent to his ownership, as the performances of Leviathan, Sir Archy, &c., are unnoticed.—J. T. chiefly retired from the turf in 1809, and entirely, so soon thereafter, as his horses could be disposed of.

TO THE EDITOR OF THE AMERICAN FARMER.

NATURAL HISTORY.

DEAR SIR,

I send you herewith a Liverpool paper, containing an account of a lecture delivered, by Mr. W. Watterton, the re-publication of which, in your valuable Journal, may perhaps be usefulat all events, it is at your disposal.

ROBERT GILMOR. Your's, &c.

3d April, 1824.

MR. WATERTON'S

NEW METHOD OF PRESERVING SPECIMENS IN NATURAL HISTORY.

[From the Leeds Mercury of January 10.] On Thursday evening, the Philosophical and Literary Society of this place, was honoured with a lecture, by Mr. Charles Waterton, Esq., of Walton-hall, the well known naturalist and traagainst the rapid progress of decay, or as pre-senting to the eye of the naturalist, real repre-tion, that he was born twelve miles from this. The 2d. part of his subject was on the mode at senting to the eye of the naturalist, real repre-sentations of the form and colours of the living town, and that as soon as he left the Jesuits' Col-present in use of preparing specimens for museums. animals. This truth has been admitted by the late Sir Joseph Banks, and other eminent naturalists, and such difficulties appeared to lie in the way of preserving quadrupeds (more particularly,) that the object had begun to be despaired of large the late of present in use of preparing specimens for museums. He declared it to be a had one, being founded on totally erroneous principles. He had visited nearly his exertions, and that approbation encouraged all the museums in Europe, and he must destroy him in his address to the society that evening, them all at a blow; they were quite incapable large that the moth of producing one good specimen. He related an animals. sentations of the form and colours of the living animals. This truth has been admitted by the ly, that the object had begun to be despaired of as unattainable. Mr. Waterton, who from his boyhood had a strong passion, not only for hunting and shooting, but for preserving the fruits of the chase, has pursued the study of Natural History with all the ardour of genius, and with unprecedented success. He has, several times, visited South America, for the mere purpose of obtaining the finest specimens of birds, reptiles, and other animals, unimpaired by the negligence or errors of the ignorant persons, through whose hands the ordinary specimens in our museums pass. His spirit of enterprise has carried him into the wildest, most uphealthy,

and most dangerous portions of this almost un was very dangerous to the constitution; and explored Continent. He has plunged into the moreover, it could not be used in the new prosent to J. T. by Mr. Reeves to be depths of immeasurable forests, lying beneath cess, on account of its soiling the specimens. handsomely presented about two years ago.

the equator, and peopled only by serpents and it was possible to prepare the specimens, so that wild beasts, where, adopting the habits of the the ant or the moth would no more touch them, Young Sir Peter Teazle, (bred by wild beasts, where, adopting the habits of the the ant or the moth would no more touch them, Lord Stamford,) was got by Lord Indians, and profiting by their experience, he than an Alderman would eat a haunch of venison Derby's Sir Peter Teazle; Lucy by has braved dangers which they dare not face, after it had been steeped in assafætida. Another Derby's Sir Peter Teazle; Lucy by has braved dangers which they dare not face, after it had been steeped in assafetida. Another Conductor; Lucy by Spectator; Blank, sustained hardships they could not endure, has plan adopted to keep specimens, was to use the Childers, True Blue, Cyprus, Arabian Bonny Black.—(See English Stud Book, page 178.)

Book, page 178.)

Thurshased the celebrated imported to his hours, waded through morasses to reach a little spirit of turpentie was poured on it, all 80,-1810. Purchased the celebrated imported the water fowl, and scaled the crag of the eagle; the insects in the drawer would die in half an animated through all his toils and perils by the hour. This, however, was only a temporary presame spirit, which actuated Park, Burckhardt, servative, for the insects' eggs would remain, and Ricchie, and which has led so many favorite and be hatched after the atmosphere had dissia celebrated runner, who beat Sir Sosons of genius to their fate and to renown. The lomon, and the best horses in England, result of his dauntless perseverance is, that he many months together, without being destroyed (See English Stud Book, and Racing has made himself master of a collection of spe-by successive generations of the moth. Finding cimens in Natural History, incomparably superior these methods defective, he next tried the walto any other in the world, and has discovered nut juice, the bitterness of which made it disamake them imperishable. When Mr. Waterton though he made a solution of aloes as strong as poslast returned from South America, in the year sible, and washed the specimens with it, he found 1821, he had intended to give a public explanation of the secrets he had discovered. But the in every part. At last he hit upon the great nostungenerous treatment Mr. W. met with at the trum—a mixture of alcohol (spirit of wine) with hands of Government, who when his dear-hought corrosive sublimate (pe, chloride of mercury,) specimens were detained at the Custom-house, refused to allow them to pass without paying heavy duties, had so disgusted him, that he a spirit, and diffused itself rapidly through the relinquished his intention, and never made known skin; it was antiseptic, and preserved from his plans till they were unfolded on Thursday decay; and of all poisons known this was the his plans, till they were unfolded on Thursday decay; and of all poisons known, this was the last to the Leeds Philosophical and Literary Society. Mr. Waterton had frequently been solicited by Mr. Atkinson, the Curator, George Walker, Esq. of Killingbeck-lodge, and other members, to favour the Society with this interpolation of the specimen, so that nothing was left on which the insect could feed; yet it did not in the action disclosure, and he at least offered the specimen, so that nothing was left on which the insect could feed; yet it did not in the members, to favour the Society with this interesting disclosure, and he at length offered to
come over for that purpose. He visited Leeds
accordingly on Thursday, bringing with him
numerous specimens of birds, beasts, fishes,
and reptiles, to illustrate his lecture. The museum was already graced with a beautiful collection of birds, from the tropics, which Mr. W.
handsomely presented about two years ago.

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The museum was already graced with a beautiful collection of birds, from the tropics, which Mr. W.
handsomely presented about two years ago. The lecture commenced at six o'clock in the or situation; the birds, tiger's skin, &c. thus preevening, and lasted till after ten; and so lively pared in 1812, were now as brilliant as at the was the interest excited, that the company, moment when the operation was performed; and which was numerous, and of the first respectabi- the liquid was equally efficacious when applied veller, on his new method of preserving specimens in Natural History. The disclosure of the lity, would cheerfully have remained for hours to all kinds of specimens—quadruneds, birds, would cheerfully have remained for hours to all kinds of specimens—To relieve as he said. secrets, by which this gentleman has kept in perfect preservation, the fruits of his arduous three heads, considering, 1st. The nature of preperfect preservation, the truits of his arduous three hads, and enterprising researches, and retained in the dead animal all the vivid colours, the perfect symmetry, and animated expression of the living, must be regarded as an important era in science. Such is the defectiveness of the old system of stuffing and preparing specimens, that no muse-um in the world can be considered as secure where he begged leave to menserved specimens; how soon they perish by the here produced a large stock of Indian weapons,-

of being separated into several parts for facility of removal. Add to this—that the mechanical

small, when the dissector was acquainted with the principal defects of the old system, especialits anatomy. Museums where presents were in-ly in the preparation of quadrupeds; it was found hole in the foot, leaving the animal hollow. discriminately received, always contained a great that the nose, lips, and ears always shrivelled up deal of trash; and such institutions ought to like a mummy, on which account it was proposhave a person entirely devoted to their manage- ed by some to cut them off, and substitute wax for ment. Mr. W. showed two birds of the same them. Before he went the last time to South kind, one of which he prepared in 1812, and the America, he concurred with Sir Joseph Banks other in 1820; the former he considered at the in thinking that it was impossible to remedy this time very cleverly executed, and Sir Joseph great defect; but as he lay in his hammock one Banks declared that it was the best skinned bird right in the month of June 1820, a complete rein Europe; but it could not be compared for medy struck his mind, and it was a mere simple symmetry and expression to the latter. He alludeduction from facts and principles with which ded to the ignorant persons, through whose hands he had been familiar for 18 years. He did not symmetry and expression to the latter. He alluordinary specimens necessarily passed, who stuf-sleep till he had killed an animal, tried the plan, fed and stretched them, filled them with wires, and found it answer wonderfully well. The grand and disordered their plumage—plumage which discovery, however, he had made previously; it dew of heaven, or the soft breezes. For the purpose of dissection, a penknife and a hand not ciety of Arts and Sciences, who gave him at the coarse and clumsy were required, and that was time abundant applause; but being for the most and gallantry of their lecturer, as well as for the all; any man might learn the art in a week: in part chemists, and feeling as if they ought to stuffing, it merely required cotton for the birds, have made the discovery instead of him, they all; any man might learn the art in a week: in and a piece of wood the size and shape of a knitting needle. This was the mechanical apparatus. plan to Mr. Bullock, the trading collector of But if you wish, said Mr. W. to excel in this art, museums, with whom it remained altogether if you wish to be in ornithology, in the art of unnoticed. Finding this, on his return from stuffing birds, what Michael Angelo was in sculp- America, he broke off his correspondence with PROGRESS OF AMERICAN VINEYARDS. ture, you must apply to profound study, and call the society, and would never communicate with March 2d, 1824. upon your own genius to assist you; you must them more. He must state, however, that he have a complete knowledge of bird anatomy, could not fairly claim the entire credit of this must know exactly the form of the body, with all discovery; he made it first, it was true, many its proportions, the curves, expansions, and de-years ago, when he was yet a boy, but he laid it pressions of its shape: in a word, you must have aside from fear of poisoning persons with the Promethean boldness to bring down as it were sublimate, and only resumed it on finding that the fire of animation and life into your prepared his friend Mr. Edmonstone, a gentleman well specimen. Then it would be necessary to visit known in the West Indies, and now of Cadross-the woods, the mountains, and the marshes, and park near Dumbarton, made use of exactly the to observe the feathered tribes, in their native same mixture for his specimens, with success abodes,—the kingly eagle, the roguish pye, the and without danger. His new plan for preserving pert sparrow, the lazy vulture, the gentle and quadrupeds entire and in perfect shape, consisted amorous dove; each of which had its charactering the application of internal sculpture corrected istic expression, and that being lost it was no lon-by external sculpture. He cut away the gristle ger the same bird. Mr. W. then proceeded to from the nose and ears, and removed every thing give several important instructions as to the pro- from the body but the mere external skin: he should be taken out to the very beak, instead of leaving in, as it was usual, part of the skull; er, presented itself, as the needle would not work that wires should not be stuck into the birds, as easily amongst the oakum or tow with which the orbits of their eyes which usually increased in that the orbits of their eyes which usually increased in that chaff or sawdust would answer instead of man on the eastern she oakum, and on trial he found that it succeeded forms me that Mr. Ei heard the reduced to their natural size by needle. should be reduced to their natural size by needle and threat he found that it would obey the needle acres of his vineyard. I have racked off my wine, preparation was not made soon after the death of implicitly: before that period it was too soft, and and now have it fit for use, as much so, as new

remarks.

He now came to the third part of his subject, of removal. Add to this—that the mechanical in which he should explain (for the first time) part of preserving was generally very ill done. his new system, and prove that it was the only It was easy to dissect any animal, large or one that would answer. He then stated some evinced a spirit of jealousy, and submitted the the animal, the legs would shrivel, and the parts after that period it was too stiff; but taken at wine can be. It is beautifully fine and bright most thickly covered with feathers would dry in the precise time (which different ani-disproportionately to the others. It was not won-mals), the skin and hair received any shape or leakage, evaporation, and lees, reduced it to bederful then, that the specimens found in the most impression that might be wished. (Mr. W. here celebrated collections in Europe were all defective. By his new plan, the specimens of quadtive. By his new plan, the specimens of quadtrasted it with that of a monkey done on the old one barrel of brandy, which bids fair to be very rupeds were made perfectly elastic, hollow system; the latter was shrivelled and disfigured; fine in time. throughout, and without wires, yet preserving the former had all the expression of life, the lips, nose and ears being perfect.) To form the advised that those who built noble edifices for true shape of the nose, he introduced his working advised that those who built noble edinces for true shape of the nose, he introduced his working collections of natural history, should perfect iron at the top of the head, and to bring the their plans, by educating a man well, and sending ears into shape, he introduced his iron through berger's vineyard, see 5th vol. of American Farhim to foreign parts to procure specimens. As a the nostril. To do this internal sculpturce persecond interlude, Mr. W. here displayed a fine specimen of the toucan, with all the gay colours the same species before him, in order that the Mr. Eichelberger's vine yard, say that it is more that head and plumage preserved a snake's most like the accurately flourishing and farther advanced for its age, than

easy of carriage, being quite hollow, and capable some interesting anecdotes, and gave instructive the large ant-bear, the calman (alligator), the the bittern, the partridge of Cayenne, &c. all of which were of the natural shape and colour, and seemed to glow with actual life.) When the preparation was complete, and the skin had assumed its form, he let out the sawdust through a greater convenience of package, he often separated the animals into different parts, making the tail, limbs, &c. to fit on or take off at pleasure.

By way of concluding the lecture, Mr. Waterton requested Dr. Williamson, the Secretary, to read a few passages from his journal, on the na-tural history of the sloth (which has been grossly misstated by naturalists) and of the ant-bear, and describing the perilous conflicts he had in South America with a large serpent and a ferocious calman or alligator, both of which he secured and killed, without injuring them as speci-mens. These passages, from their striking and eloquent descriptions, excited the highest interest; and on the conclusion, three distinct and prolonged rounds of enthusiastic applause testihed the admiration of the audience for the skill valuable services which his discoveries had rendered to science.

TO THE EDITOR OF THE AMERICAN FARMER.

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DEAR SIR,

The demand for grape cuttings is becoming so great, that they cannot be supplied. It would therefore be a great object, to put those that are about cultivating the grape vine, in a way of increasing their chance four or five fold, which may be done in the way mentioned in the first page of the 3d volume of the Philadelphia Agricultural Memoirs, by Timothy Matlack, Esq. I have referred you to the volume as I have not leisure to copy it. The same mode or nearly so, may be found in Speechly's work on the cultivation of the vine-and also in Martin's edition of Miller's Botanical and Gardner's Dictionary. But I prefer Mr Matlack's mode, beginning at the top of page 3, and ending near the top of page 7. By pubcess of stuffing, and to expose the errors of the then stuffed it as usual, and introduced a wooden lishing it in your American Farmer, and recompresent system. He said, that the feathers ought skewer or needle, which he called a working iron, to be kept close and smooth; that every bone into the inside, and thus pushed out the skin into newspapers, to give it an insertion. It would be the saving of thousands of dollars to the community, and increase the cultivation of the grape

I have a letter before me, written by a gentle-man on the eastern shore of Maryland, who informs me that Mr. Eichelberger*, near York,

> Your's, respectfully. JOHN ADLUM.

of its beak and plumage preserved; a snake's muscles, features and limbs, might be accurately flourishing and farther advanced for its age, than jaw; the poisonous fangs of a serpent; and the traced. (Mr. Waterton proved the complete any thing of the kind that they have seen in Euteeth of a shark:—on each of which he related success of his plans, by exhibiting specimens of rope.]—Ed. Am. Far.

TO THE EDITOR OF THE AMERICAN FARMER.

MAPLE TREE SUGAR. Washington, Pa. April 20, 1824.

DEAR SIR,

The honour done my hotch potch epistle of the 6th of March, by publishing it, was quite unex-pected. It was really intended only for your own eye; and contained as many notions as a yankee pedlar's cart. I am, however, gratified to find

some go over two thousand pounds. The force becoming tainted for about a week; during frost required is one man, one boy with a horse and a leg of mutton will keep a fortnight, small sled, to collect the water; with occasional- A shoulder of mutton is, next to t ly a little extra help. In many instances the females of the family do all the work, except cutin the northern part of Ohio, called the "western ring hot weather for more than two days. reserve," has justly obtained much celebrity for friend, at my request, has written to his brother, adjoining part.

The chine and rib bones should be wiped, and who lives in that settlement, for correct information on this subject; which if obtained shall be forwarded to you. I question much, however, whether any tree in the United States can exceed one that grows on the farm of Amos Walton, of West Bethlam Township, in this county. The kept, it is advisable to guard against it becoming the bloody part of the breast, and if this part is to be kept, it is advisable to guard against it becoming the breast and penner. as follows: spring of 1823, thirty-five and one half over it. the vein of pipe hear the boile of the promably it is concerned in the separation of pounds; spring of 1823, twenty four pounds; and inside of a chine of mutton should be cut out, this spring twenty-nine and a half pounds; with and if the meat is to be kept for some time, the part close round the tail should be sprinkled with a small portion of molasses each year. I had the part close round the tail should be sprinkled with above statement from a member of the family.

In fact, the vein of pipe hear the boile of the promably it is concerned in the separation of chyle from the digested food; and serves afterwards by its irritating or stimulating quality, to part close round the tail should be sprinkled with a promote that peculiar motion of the intestines, ask, after having first cut out the gland or kernel. by which their contents are gradually propelled I am well acquainted with them, and know them to be very respectable. The tree is not of the largest kind, but has a very bushey top. It stands cool pantry in the summer months for six days, near the head of a spring, without any other trees near it. The quantity made in this county this season falls short about one fourth. The quality very good.

I wish you to send me No. 46, of the 5th vol. of the Farmer, containing Mr. Bates' admirable read this address, that they have literally read it about a week in winter.

to rags.

I am, your's, &c. ALEXANDER REED.

----From Accum's Culinary Chemistry.

ON KEEPING OF MEAT.

AND BEST CONSTRUCTION OF LARDERS, PAN-TRIES AND MEAT SAFES.

Larders, pantries and safes, for keeping meat, should be sheltered from the direct rays of the sun, and otherwise guarded against the influence of warmth. All places where provisions are kept should be so constructed that a brisk current of cool air can he made to pass through them at to have openings on all sides of larders, or meat safes, which might be closed or opened according to the way from which the wind blows, the time of the day, or season of the year; they should he kept, too, with the greatest attention to clean liness. It will be better also if the sides or walls of meat safes are occasionally scoured with soap, or soap and slacked quicklime.

Satire, says:

" Now sickly autumn to dry frost give way, Cold winter rag'd and fresh preserv'd the prey; Yet with such haste the busy fisher flew, As if hot south-wind corruption blew."

in the midst of summer by wrapping it in a clean a very suffocating nature. To retain the vapour you view the sugar tree in the manner it truly linen cloth, previously moistended with strong in the stable a sufficient time, the door, windows, merits. It is one of "heaven's choicests gifts," vinegar, and sprinkled over with salt, and then and every aperture should be carefully closed.—2d. vinegar, and sprinkled over with salt, and then and every aperture should be carefully closed .- 2d, bestowed on our happy country; but like many placing it in an earthenware pan, or hanging it lustead of the nitre, put into the cup a mixture of other blessings, shamefully abused. The farmers up, and changing the cloth, or ringing it out powdered magnesia, and common table salt, of near this place sell nearly as much sugar tree, a-fresh, and again steeping it in vinegar once a each equal parts; upon this mixture pour half

A shoulder of mutton is, next to the log, the

produce of this tree for the last three years was sollows: spring of 1822, thirty-five and one half over it: the vein or pipe near the bone of the probably it is concerned in the separation of

In beef the ribs are less liable to become taint ed than any other joint; they may be kept in a

and ten days in winter.

The round of beef will not keep long, unless sprinkled over with salt. All the glands or kernels which it contains should be dissected out.

The brisket is still more liable to become tainted by keeping; it cannot be kept sweet with address. So many of my neighbours borrowed to safety more than three days in summer, and

> Lamb is the next in order for keeping, though it is considered best to eat it soon, or even the day after it is killed. If it is not very young the leg will keep four or five days, with care, in a cool place in summer.

Veal and Pork-a leg will keep very well in summer for three or four days, and a week in winter:—but the scrag end of yeal or pork will numerous increase checked. not keep well above a day in summer, and two

or three days in winter.

The part that becomes tainted first of a leg of yeal, is where the udder is skewered back. The skewer should be taken out, and both that and the part beneath it wiped dry every day, by which means it will keep good three or four days in warm weather. The vein or hipe that runs along the chine of a loin of veal should be command. With this view it would be advisable cut out, as is usually done in mutton and bee-The skirt of a breast of veal should likewise be taken off, and the inside of the breast wiped, scraped, and sprinkled with salt. ----

DISEASES OF DOMESTIC ANIMALS

AND THEIR CURE.
Fumigation. The extrication of certain vapours from nitre, salt, or other substance in in-132°, W.

Warm weather is the worst for keeping meat; fected stables, for the purpose of purifying them. the south wind has long been noted as being hos- Many preparations have been recommended for tile to keeping provisions. Juvenal, in his 4th fumigation; only two of them, however, appear to be worth notice .- 1st. In a large dish of hot sand, place a cup or other vessel with some powdered nitre in it; pour upon the nitre a quantity of oil of vitriol, equal to half its weight. No person can remain in the stable while this pro-A joint of meat may be preserved for several days cess is going on, as the vapour which arises is of near this place sell nearly as much sugar tree, a shickory for fuel. It is equally valuable for this day, if the weather be very hot.

The best meat for keeping is mutton, and the ter leave the stable; as the fumes from this I know many families that make from twelve to leg keeps best, and may with care, if the tempe- mixture are far more suffocating than the forsixteen hundred pounds of sugar annually, and rature be only moderate, be preserved without mer, but certainly more effectual. In one experiment, I found that the infectious property of glanderous matter was destroyed by being expos ed to this vapour. Before a stable is tumigated, joint best calculated for keeping in warm weather. all litter, hay, dust, &c. should be swept out;
The scrag end of a neck is very liable to beand the whole stable well cleaned. The rack, ing and hauling the wood for fuel. A settlement come tainted; it cannot be kept with safety du-manger, and wood-work between them should be scraped, and thoroughly washed; and the fumi-The kernels, or glands, in the thick part of the gation is to be made immediately after, while making large quantities of sugar. It is almost leg should be dissected out, because the mucous the wood is moist. The following day the door entirely settled by New Englanders, a people that matter in which they abound, speedily becomes and windows should be thrown open, and sufferknow how to make the best of every thing. A putrid, and then tends very much to infect the ed to remain so until the vapour is perfectly gone.

towards the fundament.

Editorial Correspondence.

Extract of a letter dated King Creek, ? S. C. April 2, 1824.

During the last summer a fire was kindled in the evening in my garden on a small stage, which was kept burning in a blaze till bed time In consequence, vegetables in it were less annoyed by insects than in neighbouring gardens. Countless numbers of these little provoking invaders which the light seemed to put in motion, directed their flight towards the blaze, in which they met with sure destruction. By this cheap and easy method the mature and vigorous were destroyed, and their

To keep meat and at the same time to preserve the juices during the summer months, I have resorted to various expedients. In all my intention has been defeated whenever the range of the thermometer has been above 72° on Fahrenheit's scale The summer heat here plays between 80° and 93°.* I have thought of a little apparatus that promises success in the most rarified atmosphere, but workmen here are wanting to construct it. A description may not be uninteresting. It is a glass tub having a metal cover to fit with a screw, at the termination or lower part of the screw, a projection entirely around the tub of an inch in width, the upper surface of which to be a horizontal plane, on which a soft piece of leather

^{*} This is the excess of heat, and tukes place between noon and 3 o'clock, P. M. generally. Lat.

cover to have a small opening over which an air pump is to be made fast-the opening to be armed pump. The principle scarcely needs explanation for the reformation of actual defects and abuses; before the beef was painted, or I would have talt is to protect the meat from the constant action in this view we have published the preceding extended by the care and had it better done." of air, one of the agents necessary in the putre-tract from a gentleman whose age, experience, in this business.

This little contrivance placed in a convenient apartment, may be visited at pleasure by the apartment, may be visited at preasure by the conk, who after one lesson would be qualified to DEAR SIR,

"The cold and wet have very much retarded "The cold and wet have very much retarded to the cold and the c out, and the meat then suffered to remain till the salt has penetrated through it.

Should the plan meet your attention it may be

If its ravages have commenced at all, it has

communicated to any enterprising mechanics to conducted its operations so secretly as to avoid carry it into operation. There is little doubt but detection so far.

it will well pay the undertakers.

I would be thankful for a few seed of the sea-prayer of kale, or any others that you may have for distri-I am respectfully, &c.
D. M. LAFITTE. bution.

> Extract of a Letter to the Editor dated,? Duncanville, 10th April, 1824.

DEAR SIR,

more if you wish. If your indisposition be connected with bad digestion, I can state with some Anderson's Scotch Pills, as they are called. I take only one whenever necessary, at bed time. Avoid all acids, especially wine. Eat salt meat

Your's, &c. J. S. BELLINGER.

Cæcil County, 23d April, 1824.

DEAR SIR,

I am a sincere and true friend to Baltimore, convinced that her prosperity is all important to the state; but she is her own worst enemy. The excessive prices demanded for every thing drives Journal sent to you, you will have seen that I consistent with the instinct of nature. It is howaway people who would otherwise be valuable sent a white steer, for exhibition as extra stock, ever, only among a certain class that the practice customers. Lower down the Chesapeake the to the Christmas Cattle Show; being one of the can be used with propriety; and whoever adopts merchants go to New York for their goods, and Stewards, I thought it was incumbent on me, to it, ought to confine the indulgence to a short beginning at Elkton down to Easton, they chiefly shew something, although it is expensive, the sleep of a few minutes. For, if it be continued purchase from Philadelphia.

purchase as cheap.

They ask me from a dollar to \$1 50 for fine old high proof whiskey. I have just procured from Philadelphia, 13 years old, 2° above 4th proof, for 75 cents. I am drinking very superior and genuine Madeira Wine by the quarter cask at \$2 won the early maturity prize, and he was got by \$20 such as I could not runched in Political and the local transfer of the intestines, and the blood is consequently impelled to the head.

WATER.

The best water is that which is pure, light, and he was got by the Marquis of Exeter, which is pure, light, and the local and without any positive procured a posture; because in the latter situation the stomach washing acknowledgment from his Majesty's mach presses upon a part of the intestines, and the blood is consequently impelled to the head.

"I saw my steer when slaughtered, as well as the one bred by the Marquis of Exeter, which is pure, light, and the blood is consequently impelled to the head.

The best water is that which is pure, light, and the blood is consequently impelled to the head.

the cover when screwed on will press upon it, the Potomac Canal on one side and the Chesapeake

factive process—the others* cannot act without it and opportunities of judging, bespeak respectful consideration for all he says.] Ed. Am. Far.

Chester, 29th April, 1824.

pense of salt necessary to keep meat in any other our agricultural work of the spring; many of my manner, but its juices and flavour will be retained. Its economy may be carried into the winter scarcely commenced their corn planting; grass months. It is customary and necessary to salt crops and oats present a fine appearance general-pork, intended for bacon, 2 or 3 times to insure it ly, and the wheat crops, though they have not from spailing, besides the trouble of spreading it, made a great growth for the season of the year, on the weather becoming a little warm. One almost universally indicate a healthful appearsalting in this tub will be sufficient, the air pumped ance, and an abundance remains in the earth to

That we may utterly escape is the hearty this office.

Your's, &c.

Extract of a letter from Charles Champion, Esq. near Blythe, Nottinghamshire, England, to the Editor of the American Farmer.

Blythe, near Bawtry, 24th Feb. 1824.

"I take this opportunity of sending you a small I send you a few of the sword beans—can send quantity of Swedish, Globe Red and Green Tur- to eight gallons of milk when warm from the nip seed; each I have proved to be of a superior quality-the Globe Red is the most proper for earconfidence the advantage of the use of Dr. Robert ly eating; the Green is excellent food for Spring, and so are the Sweeds .- I also send you a sample Barley of the best kind I ever grew-I had it from Wales-it ripens early, is very productive, and of superior quality; for when made into malt, a warm place. Add half a pound of bran, and a as a part of my breakfast. Butter in any form is and of superior quality; for when made into malt, poison to a weak stomach. Have meat dressed it affords the greatest extract.—You will likepoison to a weak stomach. Have meat dressed it amords the greatest extract.

with nice hog's fat instead of butter, and make use wise find a sample of newly discovered Rye milk, or warm water; cover it up, and let it for much mustard so as to taste the same in Grass—I have sown it a few years, and find it stand an hour. Put the loaves into warm dishes, with nice hog's fat instead of butter, and make use wise and a sample of newly discorded to stand an hour, and make use of as much mustard, so as to taste the same in Grass—I have sown it a few years, and find it stand an hour. Put the loaves into warm dishes, each dish of coffee. the seed, lives in Holderness; he discovered it in a very old pasture, which he had long remarked for its fruitfulness-he retails the seed at two guineas the strike, or bushel of 32 quarts; it does not run into seed like the common Rye- after dinner be not useful for promoting digesgrass, but spreads more upon the ground and is tion; and in several countries the practice cerbetter adapted for feeding pasture.

These are a kind of people governed by interest, not prejudice. Even the western merchants the king—the reason which induced me to do so, purchase their goods at Philadelphia, pay a heavy was, as the palace is supposed to be the emporiture to Baltimore, from which they wagon to un of correct taste, I was desirous to establish.

The windinger, there arises more loss, from the falcense of insensible perspiration, than can be compensated by all the advantages supposed to accrue to digestion.

Those who use such a custom, which may be

is to be fitted to cover the whole surface, so that der \$4 or \$5. What will be your fate with the and three months, so well covered, and the beef so rich. I desired Barenger, the artist, to take a more effectually to exclude the admission of air and Delaware on the other, God only knows, but sketch of the baron before it was sent to the between the tub and cover. The centre of the 1 tremble for Baltimore. I now beg your acceptance of the painting—It is [It is important in every respect that we should done upon a correct scale of half a foot to an with a valve to prevent regurgitation of air into know in what light we are viewed by others; as inch. I was obliged to leave town, for Sir the tub after its being emptied by means of the well for the removal of prejudice if it exist, as Charles Morgan's annual cattle show in Wales,

> PUBLISHED IN THE AMERICAN FARMER, BY OR-DER OF THE STATE.

> A report of the tobacco inspected at and delivered from Upper Marlborough Inspection Warehouse, during the quarter, commencing on the 9th of January, eighteen hundred and twenty-four, and ending on the sixth of April, eighteen hundred and twenty-four.

	Domestic growth.	Growth not of this state.	Re-in- spected,	Total.
Number in- spected.	56			56
Number de- livered.	27			27

SCOTT & SASSCER, Inspectors. TREASURY OFFICE, ANNAPOLIS, April 20, 1824. True Copy from the original report on file in

B. HARWOOD, Tr. W. S. Md.

0 RECEIPTS.

TO REMOVE THE TURNIP FLAVOUR FROM MILK OR BUTTER.

Dissolve a little nitre in spring water, which keep in a bottle, and put a small tea-cup full in-

TO MAKE BRAN BREAD.

To four pounds of best household flour, put two table spoonsful of small beer yeast, and half a pint of warm water; let it stand two hours in go into the oven.

SLEEP AFTER MEALS.

It is a disputed point, whether a short sleep "As I know you have the English Farmer's evident advantage; besides that it seems to be shew something, although it is expensive, the sleep of a few minutes. For, if it be continued great distance I reside from London. You will longer, there arises more loss, from the increase

the west. Why not at once purchase in Baltithe fact, that the early maturity of the Short allowable to the aged and delicate, ought to more and save the transit? because they cannot Horn, produces as fine flavoured beef as the place themselves in a reclining, not a horizontal Hereford, double the age, and I have received a posture; because in the latter situation the sto-

50, such as I could not purchase in Baltimore un- a bull I sold to his lordship .- Two more complete and without any particular colour, taste or smell. and beautiful carcases were never seen of their Where water cannot be obtained pure from age-the one under three the other three years springs, wells, rivers, or lakes, care should be

^{*} Heat and moisture.

aken to deprive it of its pernicious qualities by agriculture, ELKANAH WATSON, Esq. of one head boiling, and filtering, but most effectually by discach of "white and red flint wheat," mentillation. Any putrid substances in the water tioned in number 4, page 27, with the following may be corrected by the addition of an acid memoranda. Thus, half an ounce of alum in powder will make twelve gallons of corrupted water pure, material facts have occurred on the subject and transparent in two hours, without imparting of the celebrated white flint wheat, which I think a sensible degree of astringency. Charcoal pow-proper to communicate, as I am on the wing for With regard to its ultimate fate, in a modified der has also been found of great efficacy in the north, for the summer; and feel it my duty shape in the Senate, much is supposed to depend checking the putrid tendency of water. To the you should possess full and correct information on on the arrival of the new Senator from Illinois, same purpose, vinegar and other strong acids are that important subject. well adapted.

TO WARM A CARRIAGE OR SMALL APARTMENT. or for the feet a single glass bottle of boiled wa- means equal to the quality he has sowed on four in company, was spoken on the 16th of April, off ter, wrapped in flannel.

FROM THE NEW YORK AMERICAN.

The following translation of an epigram of Philodemus, preserved in the Greek Authology, shows that in one respect, at least, women have altered very little in a lapse of 2,000 years.

While flush'd with wealth, what restless love possessed you? But now you wisely cease to burn, when poor— Hunger your best, indeed, your only cure; And that sweet girl of your's, who oft caressed you, And by each fondest, dearest name address'd you, Will now with strange, and careless glance inquire,

"Good Sir, your name—whence are you?—who's your sire

There's something foreign in your air, I'm sure."

The world will teach you, it you but attend,

"He who has nothing must not hope a friend."

THE FARMER.

BALTIMORE, FRIDAY, MAY 7, 1824.

Seeds, Specimens, Books, Maps, Paintings, &c. &c. presented to the Editor of the American Farmer, for publick use and inspection within the last week.

BARLEY-of excellent quality. RYE GRASSa new and superior variety; and the seed of three different kinds of tried and approved TURNIPS, presented by Charles Champion, Esq. a distinguished agriculturist, near Blythe, Nottinghamshire, England.—Also, a painting of a BARON OF BEEF, by him presented to his Majesty, George IV., Dec. 20th, 1823—weight 293 pounds; length of the first and most useful applications of human row of corn at one round, and does in a very small after the improved short horn breed, gave 1466 pounds meeting a committee was appointed, consisting of the improved short horn breed, gave 1466 pounds meeting a committee was appointed, consisting of degree reverse the soil in its operation. I have lower the soil of the soil o particulars of all these, see extract from his letter in this number. And a portrait of the celebrated cow Nonpariel, in the possession of Lord Althorp. This cow at Colling's sale brought 370 guineas.

TA GEOLOGICAL AND AGRICULTURAL SURVEY of the district adjoining the Eric canal, in the state of New York; part first, containing a description, and geological profile, of the rock formations extending from the Atlantic to Lake Erie, running near the 43° N. latitude, and embracing 9° of longitude, and a beautiful engraved view of the whole line of the canal, all taken by Amos EATON, Esq. under the direction, and at the private expense of the honourable STEPHEN VAN RANSELLEAR, by whom they were presented to ment of all the judges for the next exhibition. the Editor, together with a profile of rocks cross ing part of Massachusetts, taken under the direction of the same munificent patron of the useful arts.

TAN ENGRAVING AND COMPLETE HISTORY of American Eclipse, presented by N. Carter, Esq. of New York. These publications may all be seen at the office of the American Farmer.

First.—A distinguished farmer of Cayuga county, near Auburn, Ira Hopkins, Esq. has just left has been stricken out of the Tariff Bill by a vote me, and from him I am informed that the enclos- of 28 to 18. Convey into it a stone bottle of boiling water, ed samples which he brought down are by no acres, and says it is unquestionably the finest wheat in the world, independent of its essential property of completely resisting the attacks of the fly.

which is as hard as wond, and thus Almighty God has blest man with this (to us) effectual guard against one of his most inveterate enemies, till now unconquerable; besides, the white wheat yields more per acre, and is heavier than any Best White, \$1 30. other. I cannot express how much I am gratified in having been the fortunate instrument of bestow-Dr. S. B. West, of Prince George's County, sold other. I cannot express how much I am gratified ing upon my country, in my old age, what the by Alex. Miller for \$5, \$15, \$18, and \$25. people of the west call a great blessing; and in gratitude I am told they have named it after me.
A box of CHEROKEE ROSE CUTTINGS from

CHARLES E. ROWAND, Esq.—all distributed.

Woot .- Samples of very long wool from S. JAQUES, Esq. of Charlestown, Massachusetts, from sheep lately arrived from the Texel.

PAMPHLET from P. WETHERED, Esq. being

an abstract of the proceedings which occurred at the two meetings of the Provincial Agricultural Scciety, of Halifax, N. S. during the session of 1823,

of Jacob Hollingsworth, Jr. Esq. on Elkridge; the gave entire satisfaction, and in some neighbour-mortification we experienced personally, was aghoods has gone into very general use, in so much, gravated by the gratifying report of the meeting, that I sold last season about two hundred of those mortification we experienced personally, was agof nothing more pleasing than to witness an asso-ciation of gentlemen farmers heartily co-operat-plough, and much more expeditious, as it will ate pieces of silver plate, to be distributed con-workmanship and materials, which I offer for formably to the scale as published in No. 2, page sale. Also, 200 bushels of seed buckwheat and 10; and to prepare and publish hand bills of the millet, and harvest tools generally. Garden seed next exhibition.

It was resolved that the premiums to be given for tobacco, should be bestowed on the cultivator of the five hogsheads bringing the highest price.

The next meeting of the Trustees is appointed for Wednesday next the 13th, at the residence of Samuel Owings, Esq. It is desirable that the board be organised and proceed to business by eleven, A. M. as important husiness will demand their attention-amongst other things the appoint-

To our numerous and liberal friends in the announce our expectation of giving them in our Bran Bread—Steep arter meas manual announce our expectation of great interest and variage or small apartment—Poetry—Editorial Remarks—next, a communication of great interest and variage or small apartment—Poetry—Editorial Remarks—tems of news—Prices Current—Advertisement, &c. the family and performances of the celebrated luc, on the subject of the Rot in Cotton-with a specification of a Patent for the discovery of a means of preventing that destructive malady, hastening the maturation of the plant, and improving the staple of that valuable commodity.

Printed every Friday at 84 per annum, for JOHN S. SKINNER, Editor, by JOSEPH ROBINSON, on the North West corner of Market and Helvidere streets, Bultinore: where every description of Book and Job Printing is executed with new ness and despatch—Orders iron a distance for PRINTING or BINDING, with proper directions promptly attended to, addressed to J. Robinson, Baltimore, F Specimens from that veteran in the cause of proving the staple of that valuable commodity.

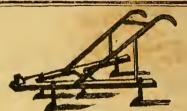
ITEMS OF NEWS, very scarce—there is in fact nothing new under the sun."

From all we can learn, the prospects for small grain crops are exceedingly promising.

From the National Intelligencer of the 6th inst. In the Senate, the Tariff Bill is yet on the tapis. who is said to be daily expected.

The U.S. steam galliot Sea Gull, with 4 barges the Table Land of Mariel, S. S. W., distance eight leagues. The officers and crew were all well.

Second.—That the stem is soft as stated with PRICES OF COUNTRY PRODUCE—carefulthe exception of 5 or 6 inches above the surface, ly collected every Thursday, for the American Farmer.



The Cultivator

TRUSTEES MEETING.—A state of ill heaith time, deprived us of the pleasure of attending trons of the American Farmer some time ago, the last meeting of the trustees at the residence has now been on trial for two years, and has from those who were more fortunate, for we know implements. If applied before the corn or tobacing to improve the art, and elevate the character cultivate and completely pulverize the soil of a S. Skinner, to procure the premiums, of appropri- nlements of small and large size, of excellent and implements as usual, at my store near Prattstreet wharf, Baltimore.

ROBERT SINCLAIR.

CONTENTS OF THIS NUMBER.

Premiums to be awarded by the Pennsylvania Agricultural Society—Part of the Stud formerly owned by Col. John Tayloe, of Mount Airy, (Va.)—Mr Waterton's new method of preserving Specimens in Natura! History—Progress of American Vineyards—Maple Tree Sugar—On keeping of Meat, and best construction of larders, pantries, and meat safes—Diseases of Domestic Animals, and their cure—Extracts from the Editor's Correspondence, dated King Greek, Duncanville, Cacil County, Chester, and Blythe, near Nottinghamshire, England—Tubacco Report—Receipt to cotton growing country, we have the pleasure to remove the turning flavour from milk or butter—To make announce our expectation of giving them in our Bran Bread—Sleep after meals—Water—To warm a car-

Comestic Economy.

INVITATIONS TO DINNER.

In "the affairs of the mouth" the strictest puncirrepurable misfortunes.

Almost all other ceremonies and civil duties inconvenience, and all, may be postponed without absolute danger. A little delay, may try the patience of those who are in waiting; but the Procrastination sometimes is rather advantageous. than prejudicial. It gives time for reflection ;-

If from affairs the most important, we descend to our pleasures and amusements, we shall find there are servants, or conveniences in the kitchen

The anticipation of pleasure warms our imagina-

" Enjoyment disappoints us at the best."

Dr. Johnson has most sagaciously said: " such ten times as well. is the state of life, that none are happy but by the

converts of our readers, and convinced the "ama-minutes, with trifles and custards !!! &c. &c. teurs de bonne chere" of the truth and importance of our remarks; and that they will remember,

In a well regulated family, all the clocks and watches should agree; on this depends the fate of the dinner; what would be agreeable to the

Vol. 6 -8.

The dining room should be furnished with a

With all our love of punctuality, the first consideration must still be, that the dinner "he well done, when 'tis done."

anxious about time-to overdress every thing-

It is a common fault with cooks who are over-

The old adage that "the eye is often bigger around it;—his principal inducement to leave his than the belly," is often verified by the ridiculous own fire side, is the charm of agreeable and invanity of those, who wish to make an appearance structive society, and the opportunity of making above their fortune—nothing can be more ruinous connexions, which may augment the interest and of real comfort than the too common custom of enjoyment of existence. tuality is indispensable; the Gastronomer ought to be as accurate an observer of time, as the As TRONOMER. The least delay produces fatal and but to the number of the guests; or more fatal to are not very numerous,) to take advantage of true hospitality, than the multiplicity of dishes these moments to introduce them to one another, which luxury has made fashionable at the tables naming them individually in an audible voice, and may be put off for several hours without much of the great, the wealthy-and the ostentatious,- adroitly laying hold of those ties of acquaintancewho are often, neither great nor wealthy.

Such excessive preparations, instead of being a compliment to our guests, is nothing better than festive board,—to which it is indeed as indispenact itself will be equally perfect and equally valid, an indirect offence; it is a tacit insinuation, that sable a prelude as an overture to an opera; and it is absolutely necessary to provide such delica- the host will thus acquire an additional claim to cies-to bribe the depravity of their palates, when the gratitude of his guests. We urge this point and may prevent our taking a step which would we desire the fleasure of their company—and that more strongly, because, from want of attention have made us miserable for life; the delay of a society now, must be purchased, at the same price to it, we have seen more than once persons when courier has prevented the conclusion of a conven. Swift told Pope, he was obliged to pay for it in many kindred ties would have drawn closely totion, the signing of which might have occasioned the ruin of a nation.

1reland—"I should hardly prevail to find one vigether, pass an entire day without opening their the ruin of a nation. of wine."

When twice as much cooking is undertaken as pursuits. putting off a rendezvous, or a ball, &c. will make them the more delightful. To hope, is to enjoy. the poor cook loses her credit, and the poor guests adops the simple and elegant method of placing the poor cook loses her credit, and the poor guests in the plate which is intion, and keeps those feelings alive, which possession too often extinguishes.

Thends, more than sumcent for twenty of thirty of thirty visitors; "enough is as good as a feast," and a course the result of consideration, and the host prudent provider, who takes measure of the ap-will place those together who he thinks will harpetites, instead of the eyes of his guests, may monize best. entertain his friends,-three times as often, and

anticipation of change: the change itself is noth- of WINES, LIQUOURS, ICES*, DESSERTS, &c .ing; when we have made it, the next wish, is which are served up to feed the eye—that over-immediately to change again." come the stomach, and haralyze digestion, and secome the stomach, and paralyze digestion, and se-However singular our assertions may have at first appeared to those who have not considered the subject, we hope by this time we have made bay-pleasure of tickling their tongues for a few from all embarrassment of etiquette, as to rank

"Indigestion will sometimes overtake the most experienced epicure; -when the gustatory thod has its inconveniences. that DINNER is the only act of the day which can nerves are in good humour, hunger and savoury not be put off with impunity, for even FIVE MI. viands will sometimes seduce the tongue of a name the object of her secret wishes, and an acute

stomach, in spite of his brains.

The cloth† should be laid in the parlour, and all the paraphernalia of the dinner table complete-

good going clock; the space over the kitchen fire place with another, vibrating in unison with the passion;—the Invalid, to avoid the danger of the guests have any respect for passion;—the Invalid, to avoid the danger of the guests have any respect for the guests. eye on the clock, and the other on the spit, &c. food; and the RATIONAL EPICURE, who happily spoiled, instead of coming half an hour after, they are compacted to the spit, and is equally attends the banquet with "mens sana in corpore" will take care to make their appearance a quarter to roast a large capon or little lark, and is equally attends the banquet with mens same in corporate to roast a large capon or little lark, and is equally attends the banquet with mens same in corporate to reasons, but that he may not lose the advantage of being introduced to the other guests. He constitution of being introduced to the other guests. draw the bakings from the oven, the roass from ders not only what is on the table,—but who are

> * Swilling cold soda water immediately after eating a hearty dinner, is another very unwholesome custom.

† Le grand sommelier, or CHIEF BUTLER, in foranxious about time—to overdress every thing—
the guest had better wait than the dinner—a little delay will improve their appetite;—but if the dinner in different forms every day—these dinner waits for the guests it will be detained.

The dinner waits for the guests it will be detained.

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The dinner waits for the guests it will be detained. dinner waits for the guests, it will be deteriorated every minute;—therefore the host who wishes to entertain his friends with food perfectly well dressed, must, while he most earnestly endeavours to impress on their minds the importance of being punctual to the appointed hour,—still allow his cook—her quarter of an hour's groce.

The his napkins in different forms every day—these day—these day—these day—these day—these day—these good living, that the Committee of Taste have quarter of Mouth.

To please a napkin in the form of a cockle-shell double."—"In the form of—hen and chickens"—ten days before the banquet—and must be answersed in a five "or "like a dog ed in writing," (as soon as possible after it is received with a collar about his neck"—and many others ed downth twenty four hours at latest"—espectively.

ship or profession which may exist between them.

ignorant of each other's names, professions and

To put an end at once to all ceremony as to the get indigestions—why prepare for eight or ten the name of each guest in the plate which is in-friends, more than sufficient for twenty or thirty tended for him. This proceeding, will be of

Le Journal des Dames informs us, that in several fashionable houses in Paris, a new arrange-It is your SECOND COURSES-ridiculous variety ment has been introduced in placing the company at a dinner table.

The ladies first take their places, leaving intervals for the gentleman; after being seated, from all embarrassment of etiquette, as to rank and pretensions, &c.

But without doubt, says the Journalist, this me-

"It may happen that a bashful beauty dare not "grand gourmand" to betray the interests of his observer may determine, from a single glance, stomach, in spite of his brains. that the elected is not always the chosen."

If the party is large the founders of the feast should sit in the middle of the table, instead of stomach, and restorative to the system, if served to two o'clock,—would be uneatable and indiges—and being at two o'clock,—would be uneatable and indiges—table be not ready for action, and the eaters ready in some degree relieved from the occupation of table be not ready for action, and the eaters ready in some degree relieved from the occupation of table be not ready for action, and the eaters ready in some degree relieved from the occupation of table be not ready for action, and the eaters ready in some degree relieved from the occupation of table be not ready for action, and the eaters ready in some degree relieved from the occupation of table be not ready for action, and the eaters ready in some degree relieved from the occupation of table be not ready for action, and the eaters ready in some degree relieved from the occupation of table be not ready for action, and the eaters ready in some degree relieved from the occupation of table and ly arranged at least an hour before dinner time.

The cook's labour will be lost, if the parlour attending equally to all their friends—and being carving-will have an opportunity of administerparably injure:-therefore the Gourmann will ing all those little attentions which contribute so

If the guests have any respect for their HOST, encountering an indigestion from eating ill-dressed -or prefer a well-dressed dinner to one that is of an hour before the time appointed.

The operations of the cook are governed by the clock,-the moment the roasts, &c. are ready, they must go to table, if they are to be eaten in perfection.

An invitation to come at FIVE o'clock, seems to be generally understood to mean Six; Five PRECISELY, half hast five; and NOT LATER THAN FIVE, (so that dinner may be on the table within ten minutes after, allowing this for the variation

cially if it be not accepted—then, in addition to

the non-acceptance, as a particular pre-engage-

ment, or severe indisposition, &c.

Nothing can be more disobliging than a refusal which is not grounded on some very strong and sessed with that determined enemy to ceremony unavoidable cause, except not coming at the appointed hour; "according to the laws of conviviality, a certificate from a Sheriff's Officer, a thought polite folks wastes in making civil faces, cheese. Doctor, or an Undertaker, are only the pleas &c. to a single guest. which are admissible. The duties which invita It would save a vited, but like all other social duties, are recip-were sent to table ready cut up. rocal."

after the time he was bidden, to find the soup removed, and the fish cold: moreover, for such an offence, let him also be multed in a pecuniary penalty, to be applied to the fund for the BEnefit of decayed cooks. This is the least punishment that can be inflicted.

A prudent carver will cut fair; and observe an occrement, I pray :—I hope you will pick out all the best of my cheese—The rind and the moreover, for such an offence, let him also be multed in a pecuniary which his dish bears to the number he has to divide it amongst,—taking into this reckning the minimulation of the table.

NEFIT OF DECAYED COOKS. This is the least quantum of Approximately the proportion minimulation of the dainties he is serving mile with the best of my cheese—The rind and the moreover, for such an observe an occrement, I pray :—I hope you will pick out all the best of my cheese—The rind and the moreover, for such an observe an occrement, I pray :—I hope you will pick out all the best of my cheese—The rind and the moreover, for such an observe an occrement, I pray :—I hope you will pick out all the best of my cheese—The rind and the moreover, for such an offence, let him also be multed in a pecuniary which his dish bears to the number he has to divide it amongst,—taking into this reckning the moreover.

NEFIT OF DECAYED COOKS. This is the least quantum of Approximation of the dainties he is serving mile with the best of my cheese—The rind and the best of my cheese—The rind and the moreover in the best of my cheese—The rind and the moreover in the best of my cheese—The rind and the moreover in the best of my cheese—The rind and the moreover in the best of my cheese—The rind and the moreover in the best of my cheese—The rind and the moreover in the best of my cheese—The rind and the moreover in the moreover in the best of my cheese—The rind and the moreover in the silence, or violation of an engagement, tends to paralyze an entertainment, and to draw his friend

into useless expense.

Boileau, the French satirist, has a shrewd observation on this subject. "I have always been punctual at the hour of dinner," says the bard, "for I knew, that all those whom I kept waiting at that provoking interval, would employ those unpleasant moments, to sum up all my faults. BOILEAU is indeed a man of genius—a very honest man;—but that dilatory and procrastinating way come, and frequent invitation to the board of he has got into, would mar the virtues of an An-hospitality, instead of unblushingly demanding of gel."

There are some, who seldom keep an appointment; -we can assure them they as seldom with pleasure-or even content) with the liveliest "'scape without whipping"—and exciting those expressions of thankfulness whatever is presentmurmurs which inevitably proceed from the best ed to him,-and let him not forget to praise the

impatient to be filled.

The most amiable animals, when hungry, become ill-tempered,—the best friends will employ tant office of CARVER,—or place him within reach the time they are kept waiting, in recollecting of a sauce-boat. These chop-house cormorants, and repeating any real faults we have,—and at-who, tributing to us a thousand imaginary ones.

Ill-bred beings, who indulge their own caprice, regardless how they wound the feelings of others, occasionally be endured as convenient tools;—but out the loaves and fishes of other people,—for if they possess brilliant and useful talents,-may deceive themselves sadly, if they possess all the wisdom, and all the wit in the world,—they fancy they can ever be esteemed as friends.

MANNERS MAKE THE MAN.

many, who have had nothing else to recommend them:—Ill manners, have as often marred the the gratification, which is their reward for the hopes, of those who have had every thing else trouble they have had in preparing the feast: to advance them.

to those phelgmatic philosophers,

" Who, past all pleasures, damn the joys of sense, "With rev'rend dulness, and grave impotence;

and are incapable of comprehending the impor-keeper, would furnish a decent dinner for a large tance (especially when many are invited) of a family." truly hospitable entertainment: but genuine conamateurs.

CARVING.

round-instead of asking each individual if they of the mouth, by Rose.

the usual complimentary expressions of thanks, choose soup-fish, &c. or what particular part &c. the best possible reasons must be assigned for they prefer for as they cannot all be choosersyou will thus escape making any invidious distinc-

> A dexterous CARVER!, (especially if he be posand sauce, a keen appetite,) will help half a dozen people in half the time, one of your would-bc-

"Study their genius, caprices, gout-"They, in return, may haply study you;

"Some wish a Pinion, some prefer a Leg, "Some for a merry-thought or Sidebone beg:

"The wings of Fowls, then slices of the round,-"The trail of Woodcock, of Codfish the sound."

"Let strict impartiality preside-

"Nor freak, nor favour, nor affection guide."

From the BANQUET.

"The guest who wishes to insure a hearty welthe fair hostess that the prime "tit bit" of every dish be put on his plate-must receive, (if not regulated stomachs,-when they are empty and cook, and the same shall be reckoned unto him even as the praise of the mistress.

"Critique your wine, and analyze your meat, Yet on plain pudding deign at home to eat,'

are, generally, tremendously officious in serving under the notion of appearing exquisitely amiable-and killingly agreeable to the Guests-they are ever on the watch to distribute themselvesthe dainties—which it is the peculiar part of the Master and Mistress to serve out, and is to them the most pleasant part of the business of the ban-Good manners have often made the fortune of the most pleasant part of the business of the banquet,-the pleasure of helping their friends is advance them.
These regulations may appear a little rigorous
Those phelematic philosophers,
Those phelematic philosophers,
These regulations may appear a little rigorous
These regulations may appear a little rigor would hardly get a meal from them after, -which success. managed by the considerate hands of an old house-

noisseurs in the science of good cheer, will vote us thanks for our endeavours to initiate well-disposed chant," or the MASTER CARVER, was the next of ficer of the mouth in rank to the "Maitre d' Hotel," and the technical terms of his art, were Ceremony, does not in any thing, more commonly and completely triumph over comfort, than "Grose's Classical Slang Dictionary," or "the in the administration of "the honours of the table." Gipsies Gibberish;" the only one of these old phradiction of "the honours of the table." Gipsies Gibberish; "the only one of these old phradiction of "the loaves and fishes sel-ses now in common use is, "cut the TURKET,"—at the furned to its original situation. An intermediate furnow, distant nine inches from each of the control of the server means of the control of the dom seem to understand, that he fills that situa- we are no longer desired to disfigure a PEACOCK" tion best,—who fills the plates of the greatest number of guest, in the least proportion of time.

"tame a CRAR"—"tire an Ecc"—and "spoil the is planted the corn. The grains are deposited the flates and send them HEN," &c. &c.—See instructions for the officers six inches apart, so that if each grain produces

I once heard a gentle hint on this subject, given to a bluemould fancier, who by looking too long at a Stilton cheese, was at last completely overcome by his eye exciting his appetite, till it became quite ungovernable and unconscious of every thing but the mity object of his contemplation; he began to pick out in no small portions the primest parts his eye could select from the centre of the

The good-natured founder of the feast, highly It would save a great deal of time, &c. if amused at the Ecstacies each morsel created in Poultry, especially large turkeys and geese—its passage over the palate of the enraptured gourmand, thus encouraged the perseverance of

wine glass, and a tumbler, and placing the wines and sauces, and the MAGAZINE OF TASTE, as a dormant, in the centre of the table; one neigh-

bour may then help another.

Dinner tables are seldom sufficiently lighted, or attended-an active waiter will have enough to do, to attend upon half a dozen active eatersthere should be half as many candles as there are guests-and their flame be about 18 inches above the table-our foolish modern pompous candelabras, seem intended to illuminate the ceiling, rather than to give light on the plates, &c.

AGRICULTURE.

[It has been seen in page 3 of this volume, that the "Agricultural Society of the Valley" at a meeting at Winchester, in Virginia, resolved to have recorded in the American Farmer, such of the papers as might be read at their meetings, as might be deemed worthy of preservation, and promulgation, for the informa-tion and use of their brother agriculturists.— In execution of that resolution, we have given in this number, a paper on the culture of Indian Corn, from the pen of William Barton, Esq. vice president of said society; and shall continue to publish such as may be put into our hands, until the whole shall have appeared in one connected series.]-Edit. . Im. Fir.

PAPERS

rican Farmer. No. 1.

DEAR SIR,—Some weeks since, I expressed my intention to communicate to the Society of

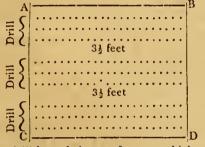
In October, 1821, they broke up to the depth of nine inches, a field containing three acres, which had been fifteen years in meadow. In the ensuing spring, they ploughed it twice, and harrowed it three times, by which process it was fully prepared for drill furrowing. These drills were formed by turning two furrows together, the lines of the coulter running at the distance of exterior ones, is prepared in the same manner. a stalk, and the three rows are taken collectively,

six and nine inches from the most contiguous ones. apology for that hurried and inefficient mode of situation are most remote from the centre of circu-Leaving an interval of three and a half feet, cultivation which never repays the labourer even lation, and through which the blood has to return (which space is sufficient to admit the plough for his trouble. From what I have heard and in opposition to its own gravity, become swelled and other implements of cultivation,) three other personally observed in our own county, I would for want of the accustomed absorption. On the adjacent rows are prepared in the same manner as the above, and so on, throughout the whole extent of the field. Thus, upon every space of market price of the commodity.

Your's very respectfully,

WILLIAM M. BARTON.

WILLIAM M. BARTON. acre there will stand one hundred and thirty-six Hon. Hugh Holmes, President. rows, each row consisting of four hundred and fifteen stalks; making the aggregate of fifty-two thousand, two hundred and ninety stalks per acre. Now, imagine that three-fourths of the stalks will attain such a degree of perfection, as to produce one ear of corn only, and each ear affords but a single gill, you will have the quantity produced by the Messrs. Pratts. That this arrangement may be perfectly understood, I annex a plate of the field, which is here designated by the letters A, B, C, D,



The drill is made by two furrows, which open it to the width of 18 inches: 3 rows of corn to a drill, 1 upon each edge, and 1 in the middle. These rows consist of a kernel dropped every 6 inches.

To this lot the Messrs. Pratts applied 144 loads ed. of manure, and although this will at first appear to be an expensive and laborious system of cultivation, yet, when we recollect the prodigious per to repeat that the fact is supported by the

most satisfactory and unequivocal evidence.

The Messrs. Pratts unite with almost every farmer of the north, with whom I have conversed. in recommending deep fall ploughing for corn. In addition to this, they advise shallow planting, with the preservation of a level surface during its cultivation. These opinions are not founded merely on theoretical reasoning—they are the result of repeated and successful experiments.

hazard the assertion, that the corn made by nine- other hand, when the horse is lean and emaciated,

DISEASES OF DOMESTIC ANIMALS

()

AND THEIR CURE.

Glauber's Salt, Sulphat of Soda. This is an nconvenient purgative for horses, on account of the large quantity that is required to produce any considerable effect. The best mode of giving it considerable effect. The best mode of giving it is to dissolve about a pound and a half in a pail of water, and allow the horse no other liquid uncrease by increasing the discharge of urine, and til he has drunk it; which he will generally do in the course of a day. Cattle are purged by a smaller quantity than horses; the dose for a cow is from twelve to sixteen ounces dissolved in gruel.

Gravelling. A bruise in the foot from gravel being lodged between the shoe and sole; this most commonly happens near the heels, and particularly to horses that have corns. The shoe is to be taken off, and the horn covering the bruised part pared away carefully, so that when the shoe is put on again, the tender part may not receive any pressure. The same object may often be wards dressed with a solution of blue vitriol or Friar's balsam. When the bruised part is very tion carried on, without putting nature to the tender and inflamed, a poultice should be appli-

each stalk will stand at the several distances of vation, this should certainly not operate as an legs, (particularly the hind-legs,) which by their of stimulus, and bebility will naturally ensue. In addition to either of the above mentioned causes, he thinks the following may be given as collateral promoters of the disease; viz. the season of the year, unnatural confinement in the stable, the acclivity of the pavement of the stall, cutting the hair off the heels, and want of proper exercise and cleaning. In the winter season, at which period the grease is most prevalent, the insensible perspiration of the body is neither the expiration of vapour from the lungs; and this mode of expulsion would be fully sufficient for the purposes of the animal economy, if the horse remained in a state of nature. But it is far different with him in a domesticated state, in which he is alternately exposed to a cold and warm atmosphere, as he is within and without the stable. The secretion and evacuation of urine are disturbed in their process by forcing him to proceed in his labour at the moment when the fullness of the bladder stimulates him to discharge its contents; and though the perspiration may be increased to an excessive degree by Should matter form, the horn must be pared exercise, yet it will be found, that the result of exercise away so as to give it free vent, and the part afterportionate debility; whereas the insensible perspiration is a tranquil and imperceptible evacuaexpense of any corporeal powers. The bad effects arising from the foregoing causes are consi-Grease. An inflammation and swelling of the derably aggravated by confinement to one situavation, yet, when we recollect the prodigious quantity of provender, as well as of merchantable eorn which results from it, we must regard the proprietors as having been fully compensated for the labour and expense of tillage. On a former most commonly attacks the hind legs, but the have been 502\frac{1}{2} bushels; and it may now be proper to repeat that the fact is supported by the pears to suffer considerable pain, and when first favourable circumstances the legs swell, a rup-moved he suddenly catches up the affected leg, ture of the skin eventually takes place, and a when it is the hind leg) as if he were cramp-serious discharge ensues, which by exposure to ed, and keeps it in that position a short time, the atmosphere acquires a fetid and acrimonious hopping about, when forced to move, upon the quality. As the disease advances, the part afopposite leg. This he often does also when both fected becomes extremely sore and irritable, so hind legs are affected, drawing up that which is as to give excessive pain to the animal when he most painful. Grease is generally a local disease, moves the limb; at the same time the excoriation but it sometimes appears to depend on general spreads, destroys the roots of the hair, and creor constitutional derangement. Grease is produ- ates a chancrous or pustulous induration of the ced by various causes: it is usually ascribed to skin, understood in farriery by the appellation Mr. Gerrit Smith, (a gentleman to whom I feel indebted for much useful information) vice-president of the society of which the Messrs. Pratts are members, describes the soil they cultivate, as one in which clay predominates; but as the adjacent country is generally sandy, it is not improbable that this also enters into its composition.

Some will probably doubt the propriety of expending so much labour and manure on so small larise from directly opposite causes viz repletion. pending so much labour and manure, on so small arise from directly opposite causes, viz. repletion, phere, he then gets the disorder. When old a surface; but I trust they will suspend their and exhaustion. The healthy state of all aniopinion on a subject of so much importance to the mals is constituted by a due and regular circulafind that their feet have been exposed first to agriculturist, until they have given it a fair and experimental investigation. If, by reducing the labour and expense of cultivating fifty acres, to disturbs any of these functions will produce the limits of ten, we receive the same quantity debility. In a full plethoric habit, the vesor perhaps hot dung to stand upon. This sudden of produce, we have forty acres to appropriate sels which are appropriated for the circulation of transition from cold to heat, produces a weakness to other purposes, or to reserve for future cultithe blood become oppressed by being overloaded, of the legs, particularly in the skin; when invation. And, although there may be a possible of performing flammation and cracks, similar to children the skin of the legs, particularly in the skin; when inlity of pursuing too expensive a system of culti their office; hence debility takes place, and the the human subject, take place, and are called

the grease in horses." The cause to which Mr IMPORTANT IMPROVEMENT IN COT-copious and rapid flow of sap, a correspondent in-Feron ascribes grease is certainly a very comthe body, viz. general weakness from excessive exertion, aided by local causes, and plethora from over feeding and insufficient exercise; and it is probable, that the declivity or slope of the ground, on which the horse stands, may, by throwing an undue proportion of his weight on the hindlegs, contribute to the production of the disease. If a horse when attacked with grease is in good or decent condition, has no appearance of weakness, and particularly if the pain and inflamma-tion are considerable, bleeding is certainly proper; and after cleaning the affected parts, a large saturine poultice should be applied. If the horse is in any degree costive, a mild purgative should be given; if not, I would rather advise the use of mild diuretics, in the form either of balls or powders. When the poultice has been properly applied for a few days, the inflammation SIR. will generally be lessened considerably, and then often destructive to the hopes of the planter, and circulation of the sap in its descent through the pears somewhat like dark coloured or dirty water, and has a peculiar fetid smell; and when the animal at the same time seems to suffer great ration accelerated, and the crop increased;—may be effected by an animalar excision of the control of the sap in its descent through the planter, and circulation of the sap in its descent through the that hitherto seems to have baffled all attempts to stem or branches of the Cotton Plant, without determined at the same time seems to suffer great ration accelerated, and the crop increased;—may be effected by an animalar excision of the control of the sap in its descent through the planter, and circulation of the sap in its descent through the pears somewhat like dark coloured or dirty was that hitherto seems to have baffled all attempts to stem or branches of the Cotton Plant, without determined at the same time seems to suffer great ration accelerated, and the crop increased;—may be effected by an animalar excision of the cotton Plant, without determined at the same time seems to suffer great ration accelerated, and the crop increased;—may be effected by an animalar excision of the cotton Plant the same time seems to suffer great ration. pain, suddenly drawing up the leg as if it were withal so economical in the execution, as to proseized with spasm when he attemps to move; I mise general utility. And as it is desirable to inhave found the following lotions speedily effect a spire confidence in the efficacy of the process by cure, after emollient poultices and fomentations affording practical inferences before proceeding to had been tried without affording any relief, I the simple details, I crave your attention to the wish to observe, however, that it may be pradent following remarks, that are intended to elucidate a cylinder or annular strip of the bark, and comiii. p. 231, of the Veterinary Medicine, two cases application. are described, in which the lotions speedily and completely succeeded.

Lotion No. 1.

Corrosive sublimate, two drachms: Muriatic acid, four drachms;

cleanliness must be observed during the whole ternal agents. treatment of grease, and gentle exercise must be persisted in. The best diet on these occasions tivated in the United States, and of necessity stand loose while in the stable, or be turned out tire stem, with the exception of a small portion appear. It wis when the weather is favourable. The stable sons, has a firm texture, and is replete with a single expectation. sweet hay, to dress him well, and especially to of the plant and other causes, a powerful capilla data must necessarily exist. It is from this conkeep his legs and heels dry and clean, and to ry attraction is ordinarily excited; producing a sideration, Sir, that I am induced to solicit that avoid the extremes of heat and cold.

TON CULTURE.

the engraving see page 62.

CIRCULAR.

City of Washington, 6th May, 1824.

some mild astringent lotion may be useful, as a thorize the liberty I now take to address you; - rous or sexual; accordingly the main force of solution of alum, either alone or mixed with being impelled by a motive of no less force, than vegetation is employed to increase and perfect the white vitriol, or sugar of lead, vinegar, and wa- a full conviction that I have discovered an im- crop. ter. In confirmed or inveterate cases of grease, provement in the management of the Cotton You will now understand, Sir, that the improve-where the hair about the affected part stands Plant, by which the malady called the rot, so ment before stated, consists in obstructing the to try the effect of emollient or soothing applica-the principles upon which the discovery is found-pletely detach the same, leaving the Alburnum tions before the lotions are resorted to. In vol. ed, and exhibit the rationale of the effects of its entirely bare; and can be managed with such

municating with the longitudinal tubes, and con-two knives of an elliptical form, for making the taining an unctuous substance, which must he ex. horizontal incisions, set parallel, and at such dis-Water, one pint.

In one case that has since occurred, some blue made to receive a permanent dye;—a due and between each and in the centre, is fixed an incisor, vitriol was added, and it appeared to have a good regular secretion of this unctuous matter is deem- for making the vertical cuts, having its edge at effect. As grease seldom occurs in a well mana- ed essential to the health and vigour of the cap-right angles, and even with the edges of the ged stable, it is but reasonable to infer, that it is sule or pod.—When those minute vessels in the horizontal knives. The operator grasps the stem generally produced either by negligence or im-green and tender filaments become ruptured or with the instrument, and by a gentle pressure, proper treatment. Watering a horse at a pond greatly distended, a morbid state of action en-or river, or washing the legs in winter, certainly sues, which may be considered as the predispos-to regulates, the strip to be removed, is divided contributes to its production. Painful ulcers or ing cause of the rot; and a further investigation on each side, when by turning the instrument cracks in the heels are sometimes a consequence of the physiology of the Cotton Plant will lead round the stem, the horizontal incisions are comof grense; these should at first be poulticed, to the conclusion, that this cause is induced and pleted, and by the same operation the incisors and afterwards dressed with some astringent. the disease excited, by an excess of stimulus or detach the bark. To prevent an accumulation of Should fungous excrescences or grapes arise in undue absorption of crude aqueous sap-promot-bank between the knives, that would obstruct the heels, they may either be destroyed by means ed by sudden changes of temperature, copious their operation, or consume time in removing, of caustic, or cut off with a knife: the part is rain, especially after drought, or extreme luxu-springs are fixed at each end on a level with their afterwards either to be dressed with some mild riance. Thus affected, the proximate cause may edges, and extending to the incisor, where they caustic or escharotic, or seared with a hot iron, be imputed to a peculiar humid state of the at-The strictest attention to diet, regimen, and mosphere—to the action of insects or other ex-they return to their former position and throw off

carrots, or sweet hay and bran mashes, with a more congenial, or where indigenous, a hersisting moderate quantity of corn if the horse appears plant, capable of production for several years, weak. He should not be tied up in the stall but The Alburnum or Sap wood, comprising the enshould be kept perfectly clean and well aired, variety of tubes, through which the sap ascends more than what relates to a single season, to one but not too warm. The best means of prevent from the remotest fibres of the roots to the leaves, soil, one climate, and one mode of culture; and ing grease is to give the horse regular exercise, and descends through the bark. In this capaciwith a proportionate quantity of good oats and ous vascular system, owing to the dwarf stature

crement of wood, and a constant succession of mon one; and it cannot be disputed, that grease may take place under two very different states of Agreeably to the expectation announced to our arrive at maturity. Now if the circulation of sap southern readers in the last number of the is stopped in its descent through the bark, it must American Farmer, we have been favoured with necessarily be subjected to less violent action upa copy of the following circular, by an eminent on any excess of stimulus, and more perfect ela-planter to whom it was addressed. The name of boration in the branches and foliage, by a prothe patentee in this case is already familiar to tracted exposure to light, heat and other influenour readers, as the author of the essays on flax, ces of the atmosphere; while the leaves, exerhusbandry, and other communications of great cising their proper functions, perspire or evapo-interest and value; and in this case the impor-rate the excrementitious and aqueous parts; the tance of the subject is of itself sufficient to gua-remainder thus modified, or prepared for organirantee prompt attention, fair experiments, and zation, is absorbed and evolved by the flowers a candid exposition of the results; which, we and capsules; rendering them at all times vigoneed not say, we shall be very happy to record rous and able to withstand the vicissitudes of sea in the American Farmer For description of sons, the action of insects, and to repel the formidable parasitic tribe that float in the atmosphere, ready to fix open weak or diseased vegetation, and complete its destruction. Moreover, the plant being, in a great measure, deprived of the means of propagating the viviparous or wood The importance of the subject will, I trust, au-progeny, its energies are directed to the oviha-

facility, that a common labourer, it is believed, On examining the staple of mature Cotton with will be able to operate upon one or more acres in a high magnifier, it will appear that the filaments a day. This instrument has some resemblance are tabular, having lateral porce or cells, com- to the common forceps, in each limb of which are the bark. For a more particular description of this instrument, you are referred to the American persisted in. The best diet on these occasions tivated in the United States, and of necessity Farmer, io which, by the patriotic and friendly will be cut grass, clover, locerne, vetches, or treated as an annual, may be found in climates exertions of John S. Skinner, Esquire, of Baltimore, the indefatigable Editor of that invaluable vehicle, a fac simile, or drawing of full size, with ample references for its construction, will shortly

It will readily occur to you that the results of single experiments in Agriculture, often prove no soil, one climate, and one mode of culture; and the axiom may be applied to the present subject, which opens a field where great uncertainty of

the merits of the discovery may be submitted to the test of varied and multiplied trials, under your auspices, the approaching season; and with great deference offer some suggestions as an outline for

your government.

The first and most important point to be ascertained, is the period most suitable to obstruct the sap, in order to promote the highest state of improvement in the crop, and at the same time effectually guard against the rot .- For this purpose a number of rows in a cotton field should be appropriated expressly for experiments ;-commencing with one row when the flower buds appear on the first tier of branches-with the next when the petals of the flowers on those branches are first expanded; continuing to decorticate other rows successively at every marked stage of growth, till the crop approaches to maturityleaving untouched, alternate plants in each row, as standards for comparison. There may possi-bly be periods when the bark will not peel freely; in that case the operation should be deferred till it can be easily and completely detached, so that no fibre be left to connect the circulation; nor should there be any shoots or branches permitted to remain between the roots and the excision, unless they are also decorticated.

Should you be disposed to extend the operation to acres or fields, the period I shall assume as most likely to produce the desired results is, when the plants are in full foliage, having the most part of the flower buds formed, that may be expected to come to maturity, and before the fecundating process has generally commenced; as the organs of fructification will be greatly invigorated, and,

of course, fewer abortive pods.

The necessary width of the excision of bark,

presents for the next enquiry; and on this point so much depends upon the luxuriance of the plant and the period when decorticated, that experience only can determine. It will be inexpedient to expose more of the Alburnum than necessary; and probably one-fourth of an inch may be as sumed as the medium, to prevent a union of the barks and a restoration of the circulation, before all the benefits from the process are realized.

I would further request, that your attention may be directed to plantations where no danger is apprehended from the rot, particularly to the black seed species, which, though not affected by that malady, except in peculiar situations or in consequence of long continuance of wet weather, is subject to a rust that destroys the foliage, causing the pods to shrink or perish; and also to a blight that shews itself in dark spots on the capsules; these, by what ever more correct names they may be distinguished, are both active members of the harasitic family—the effect of a diseased state of the vessels and not the cause. And probably may be repelled by the increased vigour imparted by decortication.

It should be kept in view that the black seed species is more disposed to produce wood than the green, especially on deep carbanaceous soils, such as swamps and marshes; indeed so much so, as to become very unproductive from its exuberance and profusion of wood buds. There are strong reasons for concluding, that this disposition may be changed, and flower buds produced much more abundantly if the plants were decorticated at an early period, or as soon as there was sufficient stamina in the stalk to bear the operation. The prospect of an accelerated maturation

will, I trust, elicit attention to decorticate this species even on the sea islands.

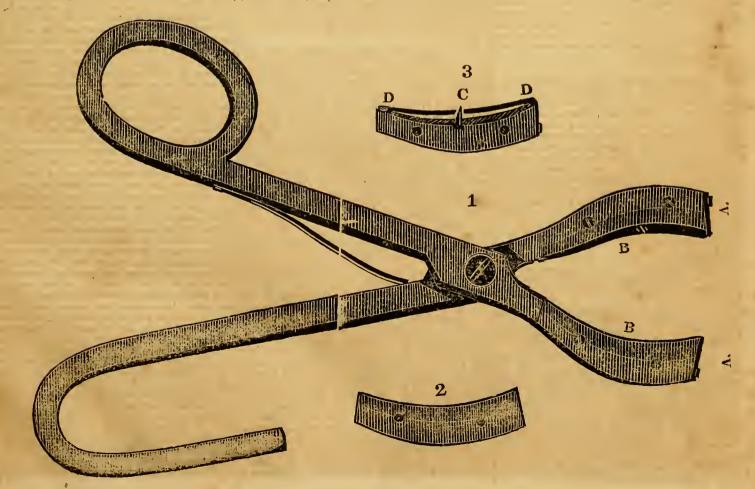
As you may be unprovided with the instrument above described before the season for operating commences, one of the following description I presume may be conveniently within your reach. Insert into a haft the blades of two knives a quarter of an inch apart, or the width that may be necessary, having their edges parallel and even. With such an instrument two horizontal incisions are made at the same time; when the operator should divide the strip by one or two vertical cuts, and children might follow and detach the bark with their fingers. Although this method will require more than double the labour, and, without great eare, less likely to be well performed than with a decorticator properly constructed, yet it is believed that considerable progress may be made in a day.

It remains to be stated that Letters Patent have this day been issued according to law, granting me the exclusive right to the improvement here announced. And I hereby give you a license to make use of said improvement to any extent that may suit your pleasure or convenience, for and during the present season. At the close of which, namely, after the first day of November next, I shall be ready to receive overtures and to treat for the disposal of the right of said improvement either for the State in which you

reside, for Districts, or to individuals.
With sentiments of high respect and conside-

ration, I am, Sir,

Most faithfully your's, SAMUEL WYLLYS POMEROY. Of Brighton, Massachusetts.



THE DECORTICATOR.

incisor C. figure 3, for making the vertical cuts, having its edge at right angles and even with the edges of the horizontal knives. The operating the cultivation of cucumbers as of melons.

The advantage to be derived from having vines will drop the seed, and cover two acres a day. One to four seeds are put into each hole. I prefer the dibble to the drill, on account of the tor grasps the stem with the instrument, and by a moderate pressure, which a spring between the handles enables him to regulate, the strip to be taken off is divided on each side, when by passing planted his encumbers in two rows of hills, mathe instrument round the stem, the horizontal incisions are completed, and by the same operations are completed, and by the same operations are completed to the composition on the stem one vine grow in a hill, in a part two, and in skim hoe is far preferable to the common hoe. incisions are completed, and by the same operation the incisors detach the bark. Springs D.D. another part three or more vines in a hill. At lig. 3. are attached at each end between the eliptical knives, and extending to the incisor. They give way on a slight pressure, and when that eeases, return to their former position and throw off the decorticated bark, which would otherwise off the decorticated bark, which would otherwise same number of hills that thad three or more vines in a hill. That part containing two vines in a hill twice, and the weeds, if any, on the ridges, taken accumulate between the knives, and obstruct their in a hill. That part containing two vines in a hill twice, and the weeds, if any, on the ridges, taken operation or consume time to keep them clear; was visibly different, they appeared less luxuri-out, with the hoe or the hand. The product has the springs and incisors in fig. 3, are exhibited ant than those of but one; and in that part con- been from 400 to 600 bushels. To preserve the above the elliptical knife merely to give a more taining three or more vines in a hill, they were roots, dig about one foot deep upon the side of a distinct view of each of them.

0 FROM THE NEW ENGLAND FARMER.

CULTIVATION OF VINES.

Mr. Fessenden,

common gardening, in which people more gene-ly soil, lightly manured, half that distance may rally err than in the manner of cultivating melons, be preferable. cucumbers, and other running vines. I allude to the practice of having too many plants grow in a hill. As far as my observation has extended, it appears to be the common practice to suffer as [As the turnih sowing season approaches, the folmany as from four to ten or twelve vines to grow in a hill. This, I believe, is an error. One good thrifty vine in a hill, I am satisfied is generally enough. I have been confirmed in this opinion, by seeing within a year or two, the effects of a the culture of this root. The county of Norfolk, few experiments on the subject.

planted in hills eight feet distant, each way, and but one vine in a hill was suffered to grow. Both fields were well manured, and in good order: but the difference in the crop was as great as in the manner of their cultivation. In the first mentionary are left in the field, and drawn daily as they are left in the field, and drawn daily as they are left in the field, and drawn daily as they are wasted. Here they must be housed or buried, both kinds growing luxuriantly. and with several vincs in a hill. The other was ed field the melons were of an ordinary size and quality, and the vines were much blighted. In the other field, where the hills were eight feet rience, that they may be cultivated by us with apart, the vines had no appearance of blight up on them, and the melons at that time, though they were not fully grown, were much the largest I ever saw. When they were gathered, as I have since been informed, one of them weighed above

as I have supposed to the unsuitableness of the soil, it being of a wet, cold nature which causes them to blight. In consequence of this difficulty in bringing them to perfection, I have frequently wholly omitted planting them, although they are

duced to plant a few similar to those I saw in Sa-about six rows being dunged at a time. The lem. My water-melon hills I had about eight feet manure is covered, by reversing the ridges, as

a rod or even more of ground, I think it must ap-Sin,-Perhaps there is nothing relating to our a distance. Doubtless in a light sandy or gravel P R.

Franklin, April 23, 1824.

lowing will command attention.

ON THE CULTURE OF TURNIPS.

Sands and sand loams are peculiarly adapted to which is one of the most improved agricultural soil of that county was very similar, originally, before the frosts set in. Notwithstanding this objection, I am satisfied, from four yeas's expegreat profit, as a cattle food, particularly the Swedish sort, or ruta baga,

The flat turnip of which the green and red top are varieties, is raised with very little trouble, and with me have been invariably a second crop.

forty pounds, and several between thirty and forty flax, with a single ploughing, with and without manure, with uniform success. I have sown from hypordeast, at the I have sown them after wheat, rye, peas, and I seldom succeed in raising good melons, owing the 20 July to the 10th August, broadcast, at the rate of one pound of seed to the acre-generally hoed them once; and the medium crop has been about 200 bushels per acre. The later turnifis

are grown the better they are for the table.

The ruta baga requires more labour in raising, to me a real luxury. But the last season I was in-and hetter compensates for it. I plough twice and harrow; about the first of July, the ground is out, and thrown with a shovel into the furrows, as they say in New England.)

Fig. 1, on each limb of which A. A. two knives of an elliptical form, B. B. are fastened by screws as better seen in fig. 2, for making the horizontal incision, set parallel and at such distance as the width of the excision may require; between each end in the centre is let in by a dovetail incisor. C. for making the vertical cuts.

The adventage to be derived from having raines will drop the sead and cover two acres a day will drop the sead and cover two acres a day will drop the sead and cover two acres a day will drop the sead and cover two acres a day will drop the sead and cover two acres a day will drop the sead and cover two acres a day will drop the sead and cover two acres a day will drop the sead and cover two acres a day. fer the dibble to the drill, on account of the A neighbour of mine, who is very curious in greater facility of cleaning the crop, and because apparently on the decline, the leaves had mostly hill, leaving the bottom inclining, and sufficiently become yellow and some of them black. come yellow and some of them black.

Perhaps it may be thought that eight feet a in the form of a cone, 100 bushels. Place the part is a great distance for water-melon vines to roots in it, and bring the top to a point as far as grow and singly too; but when it is considered practicable. Cover with straw, and then dirt. that a single vine, in a rich soil, will extend over They will bear considerable frost without injury. They will bear considerable frost without injury. Take care to dig a trench round the mound to pear rational that in a rich soil it is not too great turn off the water. In March, or perhaps February, you may break though the frost and take out the roots, lay them on your barn floors, and cover them with hay or straw: from whence they may be fed to cattle.

The ruta baga is fed without cutting, to neat cattle; a bushel a day, with straw is enough for a milch cow. To fat cattle they may be given in greater quantity, though never so many as to occasion continual looseness. Hogs will feed and fatten onthem; cut small, they are remarkably fitted to fatten sheep; and the horse once accustomed to them, will prefer them to his grain. For all animals, they are improved by steaming or boiling. Sometime in August, 1822, I visited a friend in Salem, who had two considerable water-melon fields. One of them was cultivated the usual way, that is in hills about three and a half feet distant, soil of that county with several vince in a bill of that county was a little hay. The ess, wintered more than fifty hogs upon them

> My experience with the Globe, and Scotch yellow turnips, is not sufficient to enable me to speak satisfactorily of their culture; but I have

> > J. BUEL.

J. ALEXANDER Esq. Sec'ry of the Albany Co. Agricultural Society.

000 TO THE EDITOR OF THE AMERICAN FARMER.

Hashington City, May 4, 1824.

MR. SKINNER,

Enclosed you have an account of a most interesting race. The presence of mind and courage, and skill, exhibited by the rider of Aratus, (whose name ought to be given; for black or white, bond or free, he deserves to be known) and the emulation and sagacity of the noble horse, worthy of his name and race, afforded the best of lessons teaching by example; and I had rather a son of mine should have had the benefit of such a sight (whatever fanatics may say, or write against rathrown into three feet ridges, by turning two fur. (cing) than have had a twelvemouth's schooling at rows back to back.—The manure is then drawn most of our "Seminaries of Learning," (so called

^{*} These were the melons noticed in the New England Farmer, vol. i. page 63, and cultivated by Mr. Were.

The sweepstakes won by Mr. W. R. Johnson's colt Revenge, by Sir Archy, was for 3 year old colts and fillies, \$200 each, mile heats, five subscribers, two of whom paid forfeit.

This colt is No. 40, of the "stud of a gentleman of the south of Virginia," published in Farmer of the 9th of last month, and is by his pro prietor called Young Janus, from his having, it is believed, more of the blood of Old Janus in his veins than any other horse now living.

heat easily; at the start for the second heat he turned the wrong way, and before he could be got off, the fillies were from 150 to 200 yards ahead (equal to three distances.) This heat was won by Mr provement. I must in justice to our legislators ly, and the Director filly was distanced. Your constant reader,

PHILIP.

1 41 albert --

THE RACES AT LAWRENCEVILLE TERMINATED LAST FRIDAY.

by WM. R. Johnson's colt Revenge*, by Sir Archy, at three heats.
The Proprietor's Purse, by Mr. HARRISON's

heat was run by Aratus without the support of a harvest, the maturity of particular vegetables; bridle, one rein having broken immediately after also the arrival and departure of swallows, marstarting. The admiration immediately felt for tins, &c. &c. What a treat it would be to look him the first heat, from his elegant appearance into a table of this kind, made one or two hundred under motion, was wound up to a pitch of enthu-years ago. I hope you will not think it amiss if siasm, when he was discovered keeping the lead I suggest what I consider a better mode of ascerwith ease and perfect steadiness, under the im-mense disadvantage of deriving no support from his rider; and when the rider too was seen to stead of measuring. By this method we obviate the spectators wonderfully gratified.
WM. RICE, Proprietor.

is known to abound.

most every city in the United States.

It is expected that Mr. Olinstead will shortly make public his experiments and scientific re- DEAR SIR,

Editorial Correspondence.

Extract from a Pennsylvania correspondent ?

Dated 1st May, 1824. veins than any other horse how hiving.

Mr. Wynne's filly by Sir Archy, out of a very ling an estimate showing the difference between taken strictly, not far from the truth. I will send line Jack Andrews mare, and Mr. Harrison's filly ling an estimate showing the difference between taken strictly, not far from the truth. I will send you of some other kinds to-morrow.

Vour's, very truly, Wynne's filly. The third was taken by the colt; say that they have uniformly discovered much li-he could easily have distanced the Sir Archy fil-berality and good sense, by their dispositions to leup seeds. promote the agricultural interest. I am sorry to say I cannot step over the line, and bestow the years ago, direct from Spain, by the hands of a same just meed of praise on Maryland. I was friend. I have cultivated them several years, and really surprised on learning you had been denied found them continue alawys alike, and always any pecuniary aid last winter. The society for delicious. As they came to me in the time of the this county draw annually \$200, from the public cortes of Spain, I christened them cortes melon.* The sweepstakes for 3 year old colts, was won funds in aid of the subscriptions. And experience has amply tested that money has seldom been more wisely appropriated. I am much gratified with the suggestion of Mr. Reed, of Washington, H. Arab, at one heat, in great style.

The Jockey Club, by Mr. HARRISON'S Horse Aratus, by Director. This Race was one of great interest from an unusual occurrence, for the last fruits, the commencement of haymaking and bend forward and adjust the bit, which by pulling a difficulty that cannot well be got over on the at one rein he had drawn entirely through his measuring plan, without great trouble, I mean mouth, and then grasp the mane for his own supthe ice and snow. These can be weighed as easiport. He came through ahead with much con-venience, beating Mr. Johnson's horse Defiance, and distancing Mr. Drummond's mare Lady Ran titudes. The mode I would propose, is to have dolph by Sir Archy. The course was in good or- a square funnel exactly one foot wide at the der, the weather good, the attendance good, and mouth. Let this funnel be inserted into a reservoir, entirely close, except when the funnel is introduced. To prevent waste by evaporation, it should be protected from the rays of the sun. It Interesting Discovery .- Professor Olmstead of should also be fixed in such a manner as to be conthe University of North Carolina, has ascertain-veniently weighed, with its contents. The meed that a fine illuminating gas may be obtained thod of finding the depth of rain that has fallen, from cotton seed. The product of gas from a is a matter of plain calculation. We know that a bushel of seed, is more than double the average cubic foot of water weighs 621 pounds. When product of the same quantity of Newcastle coal, we find that this weight of water has got into the and greatly exceeds that in illuminating power, reservoir, in a given time, it shows that 12 inches It partakes of the purity and splendour of gas of rain has fallen during this time. If we find 100 from oil, with which substance, indeed, this seed pounds of water, it will show that one foot seven inches and 2 lines, or tenth of an inch, has fallen. The experiments already made induce the If we find 5 lb. 3 1-3 oz. it will show that previbelief, that, among all substances hitherto tried ously one inch of rain has fallen; this being the for gas illumination, this article will be found the twelfth part of 621. I have never heard of any most eligible, especially for our southern cities, trial being made of this mode; but I am disposed where cotton seed can be obtained at a very tri- to believe that it would answer well. There is fling expense; and the idea suggested that this nothing wanting but the funnel and reservoir, this article may possibly become of considerable va- gives it the advantage of simplicity. I have men-In the consideration of consideration was given it the advantage of simplicity. I have been a matching to many millions of pounds, that annually accumulate in our cotton districts, forming a mate) superior to any other plan they have seen, ounce of dried marsh-mallow root with half an mate) superior to any other plan they have seen. pile almost useless and sometimes noxious, would, The most convenient of all modes for a warm cli-it is thought, afford materials for illuminating al mate, is a float to be raised by the water in the up through the funnel, and marked in such a are applied to the inflamed part.

George-Town, D. C. May 4, 1824.

I remark that you have, in the American Farmer, lately asked for some fine melon seed; I send a small parcel from my stock-they are 3 years old, and the better for age, as connoisseurs say for fruiting. I always plant, in preference, seed of this plant kept for several years:—contrary to the usual remark the quality is not the worse for the size, which is enormous—the description of this in the label may be a little figurative, but if

Your's, very truly, J. MASON.

From the same, May 5, 1824. This covers another little parcel of canta-

These are of a remarkably fine kind I got some

Mattawoman House, April 10, 1824.

DEAR SIR,

"If you have any seed of the Bene Plant to spare, they will be thankfully received.—and in return, I herewith enclose you a part of a small portion of watermelon seed, sent me by a friend from the Mediterranean, and which he represents to be uncommonly fine."

Your's, &c. WILLIAM S. MASON.

Taylorsville, May 5th, 1824.

DEAR SIR,

I send you three kinds of melon seed; the overton is a long green rind, red pulp, and very fine; the goodall is a white rind, red pulp, and grows very large; the other is a kind that I found in an old writing desk I purchased at auction in Richmond, which is thought by some to be very good, but I cannot say I like them, we have what is called the ice rind, and the melon of the green. The melon of the green is a large round melon, yellow pulp, green rind, and light coloured seed; they are a fine melon late in the fall, I think I can get you some of the seed. WM. D. TAYLOR.

> >0 RECIPES IN MEDICINE.

To diminish Inordinate Inflammation. Mix 1 drachm of Goulard's extract of lead, or solution of sugar of lead in water, with 4 ounces of rectified spirit, and 6 ounces of distilled water. Make a lotion which is to be applied to those surfaces where inflammation is very rapid.

Another Method.

Dissolve two drachms of sulphate of zinc (white vitriol) in a pint of distilled water. To be applied as above.

ounce of camomile flowers in a pint of water; mate, is a float to be raised by the water in the strain through a cloth. The fomenting flannels reservoir, to which is attached a scale, passing should be sprinkled with spirits, just before they

^{*} Mr. Randolph's Young Janus by Sir Archy, manner as to show by its ascent, the cubic inches out of Frenzy. See No 40, of the stud of a genof rain that has fallen on an area equal to the tleman of the south of Virginia.

^{*} I had of this kind no seed of greater age, or would have sent them,

200

To make strong, or Book-Binder's Paste. method makes common paste. it to be of a stronger nature, mix a fourth fifth. or sixth of the weight of the flour of powdered alum: and where it is wanted of a still more te- it will probably rise about the first of June. nacious quality, add a little powdered rosin.

Excellent Cement for Broken China, May be made from a mixture of equal parts of glue, white of egg, and white lead.

To prevent Gentlemen's Hats from being spot-ted after a Shower of Rain.

If your hat is wet from rain, or any other cause, in the same direction as it was first placed, then hang it at a distance from the fire to dry. A few hours after, or the next morning, lay the hat on the table, and brush it round and round several times with a soft brush in the proper direction, by R. Caton, Esq. for distribution in Maryland. and you will find your hat not in the least injured by the rain.

take a flat iron, moderately heated, and pass the same two or three times gently over the hat; brush it afterwards, and it will be nearly as handsome as when first sent home from the shop.

To perfume Linen.

Rose leaves dried in the shade, cloves beat to a powder, and mace scraped; mix them together, and put the composition into little bags.

Beef Tea.

Take lean beef, a pound, cut it in thin slices, put it into a quart of water, boil it a quarter of an hour; then take out the meat, mince it small, and boil it a quarter of an hour more, skimming it well.

To clean Flint-glass, Bottles, Decanters, &c. &c. Roll up, in small pieces, some whited-brown or blotting-paper; then wet and soap the same; put them into the vessel, with a little luke-warm water; shake them well for a few minutes; then rinse the glass with clean water, and it will be as bright and clear as when new from the shops.

To prevent the mischief arising from the Bite of

a Mad Dog.

Where the excision of the part bitten can be immediately performed, it is the best preventive of danger, or where the part can be burnt out by the application of a red hot iron, little danger is likely to happen. Nothing else is at all to be depended upon.

THE FARMER.

BALTIMORE, FRIDAY, MAY 14, 1824.

From the National Intelligencer of the 13th inst.
The bill for a Revision of the Tariff of Duties on Imports, has at length been ordered to a third reading in the Schate, as amended in that body, by a majority of three votes. There is little room to doubt the passage of the bill in Senate The reader will please to understand that the many amendments which have been made to the bill, which he has doubtless noticed in their pro gress, have to undergo the revision of the House promptly attended to.

of Representatives. They will probably be taken Mix wheaten flour, first in cold water, then up, in that body, on Monday next. The fate of boil it till it be of a glutinous consistence; this each of them, as well as of the bill itself, is yet When you wish wholly uncertain.

No day is fixed for the rising of Congress-

The prospects for small grain are rather promising-little or no fly in the wheat, as far as we the following purses. have understood, and not now apprehendedrain is beginning to be much wanted.

Sceds received since last Publication .- Cantaleup and water melons, varieties; (see Editorial from running for any of the other purses during Correspondence)—also "Wild Peas" "Perennithat meeting, and on the 4th day, a silver CUP, al Peas," "I ckson Peas," "Chickesaw Peas," be- free for Saddle Horses only-1 mile heats. shake it out as much as possible; then with a ing natives of the west, from General Calvin clean linen cloth or handkerchief wipe the hat Jones, of North Carolina.—These will be sent the day previous to the day on which they run, very carefully as well as you can, observing, that to the Horticultural Society of London next between the hours of eight in the morning and in so doing you keep the beaver flat and smooth, month, when a good opportunity will present of five in the evening, or pay the sum of \$50. in the same direction as it was first placed, then sending things in this way, which our friends may by order of the President, with your hands fix it in the original shape, and suppose would be acceptable to that society, and in some degree reciprocate their civility in sending fruits, vines, &c. to this country.

Cotton seed from North Carolina, presented

If the gloss is not quite so high as you wish, PRICES OF COUNTRY PRODUCE—carefully collected every Thursday, for the American Farmer. By Rogers & Stmington.

Flour, Howard-street, \$5 87—Do. Susquehannah, none in market—Wharf, \$5 75—Rye Flour, week, and every proper care taken of mares, but \$2 25 to \$3—Wheat, white, \$1 25 to 1 32—Do. no responsibility for accidents or escapes. Red, \$1 23 to \$1 27—Corn, 28 to 30 cts. white Do. 34 cts. yellow—Rye, 45 cts.—Oats, 25 cts. hands high, will be six years old next month, and —B. E. Peas, 50 cts.—Whiskey, 27 cts.—Ginhas uncommonly fine action combined with eleseng, 30 cts.—Shad, trimmed, \$6 75 to \$7—Herigance of form and a very tractable disposition. He rings, New, No. 1, \$2 50—No. 2, \$2 25—Old, was got by the celebrated running horse, Tucka-

county, weighing 236 lbs., was purchased last Marylar week by Mr George W. Riggs, for \$40.—Com-Juniper. mon tobacco continues very dull-and immense quantity in the market.

The Vertical Spinner.

ber, at No. 271, Market Street, Baltimore, who has the exclusive right of vending them in this TOM'S sire was owned by the late Judge Win-State, and Virginia.—Of its utility, suffice it to chester, was for several years ridden by Samuel say, that they are simple of construction, easily Owings, Esq. and was out of a mare of the old managed, occupy about the same room of a foot wheel, and will do about three times the work of perior saddle horse owned by the late Major

a common wheel, with much less labour.

Persons intending to purchase these wheels this season, will be so good as to hand in their orders for them soon, that they may be furnished in season.—Price \$20.

JONATHAN S. EASTMAN.

Fresh Seed.

WM. TORREY, Jr.

Maryland Association.

For the Improvement of the Breed of Horses. SPRING RACES.

The Spring Races of the Maryland Association will take place at the Canton Course, near Balti-more on the 18th, 19th and 20th of May next, free for any horse mare or gelding, to carry weight, &c. agreeably to the rules of the Association for

1st day, four mile heats, for a purse of \$400 2d day, three mile heats

3d day, two mile heats for colts only The winning horse of each day to be excluded

E. L. FINLEY, Secretary. Could all three received in page arrate.

Young Oscar.

This well bred and superior young HORSE will stand at Shealy's tavern on the York road, 7 miles from Baltimore on Sundays, Mondays, Tuesdays and Wednesdays; and at Hampton, on Thursdays, Fridays and Saturdays, during the season, to end on 10th July next; at \$10 a mare, payable on or before the 1st day of November

No. 1, \$1 50—No. 2, \$1 25—Clover Seed, \$3 hoe, his dam by Oscar, his grand dam by Med50 to \$4, per bush.—Timothy, Do. \$2 to \$2 25.
Fine quality Tobacco greatly in demand—one
hhd. made by Joshua IV. Dorsey, of Montgomery
county, weighing 236 lbs. was purchased less great grand dam was bred by Governor Sharp of great grand dam was bred by Governor Sharp, of Maryland, which was got by the celebrated horse

JOHN GREEN, Manager, at Hampton.

Tom.

One of the fullest bred Tom Horses now in the This machine for spinning wool, which has state of Maryland, will be let to Mares during been so much admired by all who have seen it, the ensuing seasons, commencing on the 1st day of and which are now getting into general use in April and end on the 15th of July, at the mode-

Thomas Yates.

JOHN GREEN, Manager, at Hampton.

CONTENTS OF THIS NUMBER.

Invitations to Dinner—Papers read at the last meeting of the Agricultural Society of the Valley, and by request of said Society, communicated for publication in the American Farmer—Diseases of Domestic Animals and their cure— Important Improvement in Cotton Culture—Cultivation of Vines—On the Culture of Turnips—The Race at Lan-Just received per the Cincinnatus, from London, at the Agricultural Repository, New York.

2 barrels Early Frame Peas.

1 do. do. Charlton do.

200 lb. Ruta Baga.

50 do. Mangel Wurtzel.

The above seed are direct from Wm. Cobbett, and are of the growth of 1823. Orders per mail ters, &c. &c.,—To prevent the mischief arising from the Ditter of Turnips—The Race at Lanceville—Interesting Discovery—Extracts from the Editoris's Correspondence, dated Pennsylvania, George-Town, (D. C.), Mallawoman House, and Taylorsville—Recipes:
To make strong, or Book-Binder's Paste—Excellent Coment for Broken China—To prevent Gentlemen's Hast from being spotted after a Shower of Rain—To perfume Linen—Beef Tea—To clean Flint Glass, Boutles, Deconterpondency attended to. Advertisements, &c.

AGRICULTURE.

AGRICULTURAL BOARD.

The board held their last meeting on Thursday the 6th inst. at the seat of Gov. Stevens, when there was a full attendance, and the arrangement for the next cattle show was perfected. Other and over one year, business was presented to the attention of the Board, but the day was exhausted in prepara tions for the cattle show, which caused all other subjects to lie over for another meeting. The weather was fine, and the Board spent a very pleasant day, much heightened by the hospitality of the Governor and his polite attentions. dinner the company took a view of some improved Bakewell sheep, which were very fine, and they adjourned at a late hour to hold their next meeting at the seat of Major Martin.

EASTON CATTLE SHOW AND FAIR.

The Trustees of the Maryland Agricultural Society for the Eastern Shore on the report of For the best Ram, their Committee as amended, considered and adopted, have Resolved, That the said Show and Fair, to be held at Easton, on the said Shore on Thursday, Friday, and Saturday, the 4th, 5th, and 6th of November next, for the Exhibition and sale of Live Stock, Agricultural Implements and Household Manufactures, be conducted according to the followin arrangement; and that the following fremiums be offered and awarded to the owners of the best kinds: that is to say:

CROPs.

For the best crop of one acre of Potatoes producing not less than 200 bushels, For the best crop of 1-4 of an acre of Parsnips not less than 75 bushels, For the best crop of 1 4 of an acre of Carrots, not less than 50 bushels,

For the best crop of 1-4 of an acre of Mangel Wurtzel, not less than 250 bushels, 5 00

For the best crop of 1-4 of an acre of Ruta Baga,

In every instance satisfactory evidence as to the cultivation and the product must be exhibited, together with the samples of the crops; also a statement of the time when the crop was sown or planted. The subject of other crops for premium was agitated and the season being advan-20 yards, ced, it was agreed, that, that subject should be matured against a subsequent exhibition, when it is contemplated to offer premiums for the best cultivated farm of limited dimensions, taking all circumstances into view—for best crops of Wheat, Indian Corn, Timothy, Clover, Orchard Grass, or other hay.

HORSES.

For the best Stallion over three years of the second best, do. 10 00 the third best, do. do. For the best mare over three years of age, the second best, do. do. the third best, do. ASSES AND MULES. For the best Jack over 3 years old, 10 00 For the best Mule, do. do. 10 00 the second do. do. do. 5 00 CATTLE. For the best Bull over two years old, 15 00 the second best, do. do. do. 10 00 For the best Bull under two, and over one year. 10 00 the second best, do. For the best Milch Cow over three vears old. 15 00 the second best, do. do. do. the third best, do. do. do. VOL. 6.—9.

Certificates will be required of the quantity of milk given and of the mode of feeding for thirty above, days, together with the quantity of butter produced in any one week, the date of the week from the time of calving being specified.

For the best Heifer under three years, .\$10 00 the second best, do. do.

OXEN. For the best yoke of working Oxen, . 15 00 the second best, do. do. 10 00 For the best stall fed Beef, the best grass fed, do. 5 00 SWINE,

For the best Boar, 8 00 the second best do. 6 00 the third best do. 4 00 For the best Sow. 8 00 the second best, do. 6 00 the third best . do. 4 00

SHEEP. the second best, do. For the best Ewe over one year old,

the second best do. do. For the two best Wethers over 2 years

the two second best do. do. For the two best Wethers, under two years old. the two second best, do.

IMPLEMENTS OF HUSBANDRY.

For the best Agricultural Machine or Implement that may be considered new, and as deserv-\$5 00 tronage, \$10 00

For the best Machine for threshing out wheat, the cost of which shall not exceed \$100,

HOUSEHOLD MANUFACTURES. vards.

For the best piece of Kersey (cotton warp) fit for labourers, not less than 10 yds. The best piece of Flannel not less than

ten yards, The best piece of Cassinet not less than ten yards,

The best piece of Carpeting not less than

For the best Hearth Rug, the second best do. the third best do. the fourth best do. For the best Counterpane, the second best do. For the best piece of Linen Sheeting not

less than 12 yards, For the best piece of Table Linen not less

5 00

\$15 00 than 10 yards,

For the best piece of Towelling not less 5 00 than 10 yards,

For the best pair of knit Woolen Stock-10 00 ings, 8 00 For the best pair of knit Cotton Stock-

ings,
For the best pair of knit Thread Stock-

Each of a size for men or women. The dyeing of all domestic fabrics to be done at home.

BUTTER.

For the best sample of Butter not less than 5lbs. nor less than one week old, For the second best de, particulars as

5 00 above, For the third best do. do. do.

For the best sample of potted Butter not 10 00 less than 10 bs. nor less than three months 5 00 old,

For the second best do. particulars as For the third best do. do. do.

A statement of the manner of making and preserving it will be desired.

FERMENTED LIQUORS.

For the best sample of Cider of a preceding -5 00 year, the premium to be given to the person making the same, For the best sample of home made Wine, 2 00

For the best sample of home made Cor-10 00 dial,

· PLOUGHING MATCH. For the best ploughing by 2 Horses or

Mules, \$5 00 For the best ploughing with Oxen, 5 00 To the successful ploughman with horses 2 00 do. with oxen 2 00

VOLUNTEER PREMIUMS.

At the request of Col. Lloyd, "The purchas-8 00 ers of his half blood Champion Bull Calves, are 5 00 hereby notified: That a pair of Silver Goblets of 8 00 the value of \$25, will be awarded by the Com-5 00 mittee on Cattle, to the best of these Calves offered at the Agricultural meeting."

A premium of a pair of Goblets of the value of 3 00 \$20 to be awarded by the Committee on Horses, will be given by Messrs. Tabs and Nicholas 5 00 Goldsborough, for the best Colt, male or female,

3 00 sired by Emperor.

A premium of \$10 to be awarded by the committee on Horses, will be given by Mr. William Hambleton, for the best colt, male or female, sired last year by Young Tom.

A premium by a member of the board of Trustees, of the value of \$10, will be given for the best ploughing by a yoke of spayed Heifers. The above premiums will be awarded only for

animals bred within the State of Maryland, or For the best piece of Kersey not less than ten within the District of Columbia. But Male animals of the several kinds above specified may be entitled to premiums though bred out of the State 5 00 and District, provided the owner of such male animal shall secure his continuance in the State of 5 00 Maryland to be bred from, for one year from the granting of the premium.

It is to be understood no premium shall be awarded merely for want of competition. And 5 00 where the objects presented for premium shall be 4 00 considered as possessing no merit worthy of en-3 00 couragement, the judges shall have a right at their 2 00 discretion to withhold such premiums.

Persons having animals that have heretofore 1 00 5 00 taken premiums, may enter said animals for pre-3 00 miums of a higher grade than those heretofore awarded to them.

In no case will any premium be given for Live Stock unless the owner shall have notified Mr. Samuel T. Kennard, of Easton, of his intention to offer for the same, and shall have entered the particular animal with him ten days previous to the Exhibition, stating himself to be the owner 1 00 of such animal, and the manner of feeding and rearing it, together with its age, pedigree, disposition and other qualities as far as practicable. And those persons who intend offering more than one kind of Stock for premium are required to make a separate communication for each description of Stock so intended to be offered. Persons having fine animals, though not intended to be offered for premiums, will gratify the Society by exhibiting them in their field; and for the pur-\$5 00 pose of making proper arrangements, and stalls for the accommodation of all Stock offered for premiums or for Show, it is requested that all 3 00 persons intending to offer Stock for Show only, as well as those offering them for premiums should give notice to Mr. Kennard of such intention at 5 00 least ten days prior to the Exhibition. All prebuted in Articles of Plate.

An Auctioneer will be appointed, and the sale of Live Stock and articles exhibited will be made With the aid of improvements through crosses of some of the officers and members of the on the second day. Food will be provided for and selection, I will venture to say our flocks Society. such Stock offered for premium or Show as shall will double their produce in a short time. A Ram 2 years old, wt. 188 lbs. fleece 10 lbs. be accommodated in the stalls.

By order of the Trustees

Test, Saml. T. KENNARD, Sec'ry.

Easton, 6th May, 1824.

PAPERS

Read at the last meeting of the Agricultural Society of the Valley, and by order of said Society, communicated for publication in the American Farmer.

profession and prosperity, I might find it in the the last of August, with the rye, at the rate of of our endeavouring to so likewise? There queries propounded by our secretary, and his two pints per acre, and harrowed in. Very is a practice prevailing with us, however coninvitation to a free exchange of information on late in the fall the largest were carted off, and genial with the best social feelings, is nevertheagricultural topicks; also in a sincere desire I profess for the improvement of our husbandry through agricultural Associations. Under similar impressions I had been in the habit of sending to the American Farmer the result of my efforts to improve the breed of sheep, with a efforts to improve the breed of sheep, with a how much good wool they sheared to the point would enable us to have them very nine, and hope of exciting a more special attention to of flesh, but the circumstance of my long wool- still leave the best—the practice also ol pertode a member that any remarks made on the sub- rinos on their decline (not having bred from out of our flocks is extremely injurious, as in getting the best mutton they will also get mathematically and the medium of our society, determined me in the wool cross) would make an unequal comparison, ny of the best breeders. Therefore be particularly and the medium of our society, determined me in the the medium of our society, determined me in the propriety of respectfully placing at your discretion the report of my last shearing, with a lessening the value of the one, or increasing the servations thereon—perhaps in the infancy of our institution, and in the absence of learned or scientific communications, a plain practical relation of facts may be interesting, and enable you to turn them to some advantage. The subject in my humble opinion has not received its shore of discussion in the Agricultural Iours where of discussion in the Agricultural Iours walked to the long wool for it appears as far as my what it has already done for him share of discussion in the Agricultural Jour-nals of our country, especially as it bears a double relation to our wants and our comforts. It is from the same animal that we obtain the well as the finest fleece. If this be the fact, and intelligent farmers, associating themselves choicest and most wholesome supply of food for my determination to select the finest, closest not merely for individual benefit, whether in our tables, and the material for a great variety of clothing suited to a vast extent of climate. The improvement and increase of our wool and mutton must then be an object of great concern of course, appply to other breeders of a similtion which should naturally arise out of such to both rich and poor; and if by a change in lar stock. management we can obtain more wool and meat from one half, or two thirds of the animals kept, our soil must consequently improve under an additional covering of grass, and we be im-mediately benefitted in the increased quantity of tallow, flesh, and wool. There is a beguil ing propensity with most of us to crowd our lands with stock, preferring, as it would seem, numbers to quality, and forgetting the difficul-ties attending a dry climate and long winter. When in the habit of keeping double the number of my present stock of sheep on the same ground, I was compelled at particular seasons to go to extraordinary expense in their feeding to keep them in a thriving condition. Notwithstanding, the average weight of their fleeces 36 lambs, and raised 30 of them.

Weight of wool from Mr. W. Experience then teaches me to keep no more sheep than I can feed well with economy, and have those separated in warm weather, never increasing their expense, risk, or trouble, by having lambs sooner than the first or middle of March, when they may have green food. A rye lot proportioned to the number of breeding ewes need be the only additional expense in keeping, to common pasture and good wheat straw when the snow is on the ground. A slight

food) should be given them once or twice a merino fleeces 63 lbs. week throughout the year, mixed in their salt. There were a few fleeces weighed in presence With regard to the expense of an individual order of the Trustees, flock, I may almost say that mine cost me NICHOLAS HAMMOND, Chair'n. nothing last winter. The weather, to be sure, was uncommonly favourable. A rye lot of nine acres divided, was their chief food, which was grazed until the 10th of April, and left pretty bare. I have hired the threshing of the rye, in order to ascertain the quantity in time for value to the long wool, for it appears as far as my what it has already done for him.
observation has extended, that the first long To the Society, I would now most respectfully wool cross on the merino has the heaviest as and particularly appeal, as to a body of liberal woolled males to breed from, will have the the expectation of rewards, honorary or otherdesired effect of uniting as nearly as possible wise, immediate; or relying on future advan-the quality and quantity; the same practice will, tages accruing from a mass of practical informa-

at the rate of one pound to every ten and eleven case will admit) the responsibility of a reform pounds weight on the hoof. The Merino, Ar- in the cultivation of the soil, and the improvelington long wool, and Tunis sheep are the most ment of our domestic animals, as essential to noted and valuable breeds immediately amongst the more comfortable existence of a very large us, and according to the situation and views of class of our farmers, whose situation, moderate the breeder, deserve the greatest attention, ei-settlements, and most industrious lives, pre-ther to perfect them as a distinct stock, or by judicious intermixtures to produce such valua-through the intervention of superior wealth and ble varieties as their nature, controlled by our skill, is possibly susceptible of.

years old-12 ewes first shear-30 ewes from

Weight of wool from Mr. W. Barton's notes 9 fleeces full blood merino or 7-8 . . 583 lbs. 734 8 do. Arlington long wool cross 553 8 do. 663 8 do. 563 8 do. 8 do. 623

3744

miums awarded by the Committee shall be distri- portion of Indian meal (too little to be called of the 40 long woolled fleeces 7 7 8 lbs .- 9

Ewe 1 year old, wt. 128 . 13 Ewe same age, 118 113 11 1 Ewe do. 130 Ewe do. 122 11 Wether, first shear, 128 11 Wether do. 120 11 Wether 2 years old, 185 8

your information. Two hundred and twenty-three bushels have been measured up, and I wool was unwashed, and freed only from the have no doubt there was two or three bushels gross tags. Samples of the above fleeces are left on the ground per acre, not having horse-sent you, which will be found to measure when No. II.

Gentlemen,

If an apology were necessary in making a comlaw of the ground per acre, not having indicating indi munication to farmers on the subject of their duction of this ground. Turnip seed was sowed washed wool. Does it not prove the necessity the sheep had ample provision in the balance, less utterly at war with the prospect of reforpreferring turnips to rye. I had hoped at this mation—I mean that of selecting the very finest time to have been enabled to make a compa- of our lambs for our tables—a moderate forrison between the productiveness of the long bearance, in the use of the second best for a wool, and the merino; and to have ascertained time, or until our flocks are more uniform, how much good wool they sheared to the pound would enable us to have them very fine, and

an institution, but as having from principle and Several of the first shear long wool, produced conviction taken on themselves (so far as the

* This fleece proved to be of four years June 3d. Sheared 49 sheep-5 wethers, one growth, as appears by a correspondence in rela-only a two year old-2 rams, one and two tion to it between the Editor of the American Farmer and the Postmaster at Bennington, see two to five and six years—26 of which produced 36 lambs, and raised 30 of them.

Weight of wool from Mr. W. Barton's notes. merino of the Livingston stock. It would be worth while, if practicable, to ascertain the increase of each year, where fleeces are thus left more than one year. Ed. Am Farm.

† Mr Barney of Delaware, always selects

his breeders first, and never permits the butcher or the purchaser of breeding stock, even to look at his best sheep with a view to the purchase of them. This, after all, is the way for the Farmer to get the highest prices, because it A total average, of above 7 5-8-the average gives him the best stock sheep. Ed. Am. Farm.

intelligence. I would take the liberty of sug gesting, whether the most useful and economi cal way of diffusing information on the subject of nusbandry (together with that respectability which would be added to our institution) would ed to be comprised in six Numbers, I shall number not be in acquiring a small but well selected the paragraphs, in order to be able, at some sta library, for the use of the Society, and afford ges of the work, to refer, with the more facility, the Presses of Winchester an opportunity of a to parts that have gone before. The last number weekly supply of agricultural matter for the will contain an index, by the means of which the wholly by the sweat of their brow; and, is it not benefit of their subscribers; is it not reasonable to suppose that a work of such apparent usefulness would have the effect of rewarding them a thing, which ought by no means to be overthrough an increase of patronage for any trou ble they might meet with in assisting the cause? The materials for the speedy ameliora-crs, has, in its application, been very much abustion of our live stock, are certainly to be found ed. It is generally used as if it meaned parsimo- for the labourer, however skilful and industrious. in the middle and eastern states, and are to be ny, stinginess, or niggardliness; and at best, to maintain his family in health and decency; and had on terms entirely within the capacity of merely the refraining from expending money. such has, for many years past, been the managethis Society, and such perhaps must be the Hence misers and close fisted men disguise their ment of the affairs of this once truly great and course of our improvement, if at all—as their propensity and conduct under the name of econo-happy land. A system of paper money, the ef-wealth has enabled them to import and improve my; whereas the most liberal disposition, a disfect of which was to take from the labourer the

home stock, some of the best stock in Europe.

Out of the numerous kinds of sneep in Great
Britain, which they appear to have nicely dis
criminated and allotted to their various soils

of a house and family, which affairs are an obof sheep in England; it would be well for us to lies. Bakewell or Dishley, and South Down, as not to convey to the families of the labouring classes of national greatness and security.

a desceptive, or highly wrought, but a faithful in particular, such information as I think may be nicture of such sheep, if they maintain the same useful with regard to that management.

through the Farmer, that the Teeswater sheep call your attention to the subject of cattle, as dustry, all exertion, all love of independence. contained in the accompanying letter from the ex-secretary of the Philadelphia Society, and verty I mean real want, a real insufficiency of the

believe me, gentlemen,

Very respectfully

Your fellow farmer,

RICHARD K. MEADE.

COBBETT'S COTTAGE ECONOMY. INTRODUCTION,

To the Labouring Classes of this Kingdom,

1. Throughout this little work, which is intend several matters may be turned to without loss of degrading to human nature, that all the nine time; for, when Economy is the subject, time is tenths should be called poor; and, what is still looked.

2. The word Economy, like a great many othboth by breeding in and in, and by crosses on our position precisely the contrary of that of the mi- half of his earnings, was what no industry and

and situations, we have selected the Leicester or ject of the greatest importance, whether as rela- The labourer now appears likely to obtain that Dishley (alias celebrated Bakewell sheep) and ting to individuals or to a nation. A nation is hire of which he is worthy; and, therefore, this South Down, which are to be had in admirable made powerful and honoured in the world, not so appears to me to be the time to press upon him quality in Jersey and Delaware, and are by far much by the number of its people as by the abi-the duty of using his best exertions for the rearquality in Jersey and Delaware, and are by far much by the number of its people as by the abithe most valuable sheep for all those who do
not intend raising wool on a large scale for the
manufacturer—the latter of these breeds may be
formed in our own country by a cross of any
short close woolled ram on well modelled ewes.
I know not whether they have the full blooded
Teeswater to the Eastward, the heaviest breed
Teeswater to the Eastward t

such content is a certain proof of a base disposiare to be had to the Eastward. Permit me to tion, a disposition which is the enemy of all in-

and decency; and not that imaginary poverty, of which some persons complain. The man, who, by his own and his family's labour, can provide a sufficiency of food and raiment, and a comforta

to have weighed with a proper form and close Reece 250, and have shorn at least fifty per cent.

ble dwelling place, is not a hoor man. must be different ranks and degrees in every civil society, and indeed, so it is even amongst the savage tribes. There must be different degrees of wealth; some must have more than others; and the richest must be a great deal richer than the least rich. But it is necessary to the very existence of a people, that nine out of ten should live worse, call themselves poor, and be contented in that degraded state?

7. The laws, the economy, or management, of a state may be such as to render it impossible

ing about English roast beef and plum-pudding, of sheep in England; it would be well for us to possess so large a race—but I am of opinion we are mainly deficient only in the form of the ani is desirable, that the families of which a nation dation in nothing. And, in spite of all the remainly which enables them to carry much more consists, should be happily off; and as this definements of sickly minds, it is abundant living flesh and fat with a greater economy of keep. The pends, in a great degree, upon the management of their concerns, the present work is intended.

a desceptive, or highly wrought, but a faithful in particular, such information as I think may be picture of such sheep, if they maintain the same useful with regard to that management.

5. I lay it down as a maxim, that for a family to be happy, they must be well supplied with these sheep must strike the eye of every behold er, and will, I hope, make an impression of the great necessity of reform. 'Tis easy to raise sheep of great apparent size, a considerable hody, on long legs* covered by loose long wool, and only the property have a very perpicious due from him to it. He is the cause of the expenses in the labourer have his fair wages, if there be no false weights and measures, whether of money or of goods, by which he is defrauded; to be happy they must be well supplied with food and raiment. It is a sorry effort that people of the laws be equal in their effect on all men; if he be called upon for no more than his due share of the expenses necessary to support the government and defend the country, he has no reason to complain. If the largeness of his family demand extraordinary labour and care, these are may cut a conspicuous figure—but in real value take a flock throughout the short legged, long bodied, straight backed, &c. &c. carrying a close fleece of a fineness to suit the purposes of the breeder, the longer the better, for in that is to be shown the great skill of the shepherd, extending the fibre without injury to its other carefular. They are two to one in value. March 4th, 1834. It had been my intention cold, in the midst of that abundance which is the sures and solid advantages. They become, very to have made this communication last summer, truit of their own labour. Instead, therefore of soon, so many assistants and props to the parents, had not circumstances prevented—with some applauding "happy poverty," which applause who, when old age comes on, are amply repaid addition and amendment, which I am not able is so much the fashion of the present day, I deserted for all the toil and all the cares that children to do now-since that time we have learned pise the man that is poor and contented: for have occasioned in their infancy. To be without sure and safe friends in the world makes life not worth having; and whom can we be so sure of as of our children. Brothers and sisters are a mutual support. We see them, in almost every case, grow up into prosperity, when they act the tood, and raiment, and lodging necessary to health part that the impulses of nature prescribe. When cordially united, a father and sons, or a family of brothers and sisters, may, in almost any state of life, set what is called misfortune at defiance.

10. These considerations are much more than enough to sweeten the toils and cares of parents, and to make them regard every additional child as an additional blessing But, that children may be a blessing and not a curse, care must be

^{*} Such was the character, in a considerable de gree, of the wether weighing 185 lbs. and shearing 8 lbs. wool, mentioned at the close of the list. This sheep had height and length enough more.

out clearly saving what I mean.

well as the body of the child; but of late years, decent. it has been so used as to have no sense applied to times out of ten, it has nothing at all to do. It is, indeed, proper, and it is the duty of every parent, also its advantages. It is free from the torments to teach, or cause to be taught, their children as much as they can of books, after, and not before, all the measures are safely taken for enabling them to get their living by labour, or, for providing them a living without labour, and that too, out of the means obtained and secured by the parents out of their own income. The taste of losses and crosses to fear, the very thought of all good in the labourer's dwelling; with-the times unhappily is to give to children some, which never enters his mind, if he art well his out it little but misery can be expected. "Health them to live, in some way or other, upon the bour. labour of other people. Very seldom, compara- 16.

remain, be attended to. But, I am wholly against sible advantages, and give them the best chance classes in securing that competence, it will afford children wasting their time in the idleness of of leading happy lives. And is it not much more great gratification to their friend, what is called education; and particularly in rational for parents to be employed in teaching WILLIAM schools over which the parents have no control, their children how to cultivate a garden, to feed

servility, pauperism and slavery.

them. Nor does it hence follow, that the descen-The path upwards is steep and long, to be sure. and exertions are in vain. Industry, care, skill, excellence in the present 17. The man, who is doi

years, been so perverted, so corrupted, so abused, industry, sobriety, cleanliness, and neatness; to tion; flocks, herds, corn, wine and oil; a sminits application, that I am almost afraid to use make all these habitual to them, so that they ling land; a rejoicing people; abundance for the it here. Yet I must not suffer it to be usurped by never shall be liable to fall into the contrary; body and gladness of the heart; these are the cant and tyranny. I must use it; but, not with-to let them always see a good living proceeding blessings which God promises to the industrious, from labour, and thus to remove from them the the sober, the careful, and the upright. Let no 11. Education means breeding up, bringing up, temptation to get at the goods of others by vioor man, then, believe, that to be poor and wretched or rearing up; and nothing more. This includes every thing with regard to the mind as their minds all the inducements to hypocrisy and main in that state, if he, by any honest means,

15. And, bear in mind, that, if the state of the it but that of book-learning, with which, nine labourer has its disadvantages when compared ces Want, horrid want, is the great parent of times out of ten, it has nothing at all to do. It is, with other callings and conditions of life, it has crime. To have a dutiful family, the father's the times unhappily, is to give to children some which never enters his mind, if he act well his out it little but misery can be expected. " Health thing of book-learning with a view of placing part towards himself, his family, and his neigh-" peace and competence," one of the wisest of

years; and in the times that are approaching, it cannot, I thank God, succeed at all. When the project has failed, what disappolntment, mortification, and misery, to both parent and child! Honor, Rabbits, Pigeons, keeping Bees, and the latter is spoiled as a labourer; his book-learning has only made him conceited; into some but too often not only wretched, but ignominious.

12. Understand me clearly here, however; for, it is the duty of parents to give, if they be able, book-learning to their children, having first taken care to make them capable of earning their living by bodily labour. When that object has once been secured, the other may, if the ability remain, be attended to. But, I am wholly against sible advantages, and give them the best chance classes in securing that competence, it will afford classes in securing that competence and where nothing is taught but the rudiments of and rear animals, to make bread, beer, bacon, butter, and cheese, and to be able to do these 13. The education that I have in view is, things for themselves, or for others, than to leave therefore, of a very different kind. You should them to prowl about the lanes and commons, or bear constantly in mind, that nine tenths of us to mope at the heels of some crafty, sleek headed are, from the very nature and necessities of the pretended saint, who while he extracts the last world, born to gain our livelihood by the sweat penny from their pockets, bids them be contentof our brow. What reason have we, then, to
cd with their misery, and promises them in expresume, that our children are not to do the
same? If they be, as now and then one will be, world to come? It is upon the hungry and the endued with extraordinary powers of mind, those wretched that the fanatick works. The dejected and-powers may have an opportunity of developing and forlorn are his prey. As an ailing carcass themselves; and, if they never have that oppor- engenders vermin, a pauperized community cul- the aforesaid purpose, reported as follows:tunity, the harm is not very great to us or to genders teachers of fanaticism, the very foundation of whose doctrine is, that we are to care nodants of labourers are always to be labourers, thing about this world, and that all our labours and after carefully deliberating upon it, are of the

parent lays the foundation of a rise, under more health, who has a blooming and dutiful and zens of the adjacent counties, however, the privifavourable circumstances, for his children. The cheerful and happy family about him, and who lege of becoming members, if they desire it. In this children of these take another rise; and, by and by, the descendants of the present labourer become gentlemen.

14. This is the natural progress. It is by attempting to reach the top at a single leap, that he was labourer as much misery is produced in the world; and contents and happy family about him, and who lege of becoming members, it they desired. In this say by, the descendants of the present labourer become gentlemen.

14. This is the natural progress. It is by attempting to reach the top at a single leap, that he world; and that poverty, the certain reward of lazing formity with the power vested in them, drawn up a few articles of association, for the government of the Society, which are herewith respectso much misery is produced in the world; and outward observances of the ceremonies of reliberation on the society, which are herewith respect-the propensity to make such attempts has been cherished and encouraged by the strange pro-has made us to be wretched and dejected, and to bers. jects that we have witnessed of late years for regard as marks of his grace the poverty and making the labourers virtuous and happy by misery that invariably attend our neglect to use giving them what is called education. The education of obtaining a competence in worldly tion which I speak of consists in bringing chil things? Can it be religion to regard as blessings dren up to labour with steadiness, with care, and those things, those very things, which God exwith skill; to show them how to do as many useful pressly numbers amongst his curses? Poverty things as possible; to teach them to do them all never finds a place amongst the blessiogs of God. Domestic Industry.

taken of their education. This word has, of late in the best manner; to set them an example in His blessings are of a directly opposite descripcan rescue himself from it.

18. Poverty leads to all sorts of evil consequenmen regards as the only things needful to men; labour of other heaple. Very seldom, comparatively speaking, has this succeeded, even during and skilful labour. To assist him in the pursuit out the latter. Competence is the foundation of the wasteful public expenditure of the last thirty of this labour, and in the turning of it to the best happiness and of exertion. Beset with wants, havyears; and in the times that are approaching, it account, are the principal objects of the present ing a mind continually harassed with fears of

WILLIAM COBBETT.

Kensington, 9th July, 1821.

GREENE COUNTY AGRICULTURAL SOCIETY.

At an adjourned meeting of the citizens of Greene County, friendly to the formation of an Agricultural Society, held at the Court House in Greenville, on Friday evening, the 20th inst. the Chairman and Secretary being present.

The minutes of the former meeting were read,

The committee appointed to adopt a plan for

Your committee have duly considered the importance of the subject submitted to their charge, opinion that the best plan will be to form an inde-17. The man, who is doing well, who is in good pendent society for this county; allowing the citi-

We, the subscribers, do agree to associate ourselves under the style and title of the

"GREENE COUNTY AGRICULTURAL SOCIETY." Article 1. The object of this association is the promotion of Agriculture, Rural Economy and in the months of April and October in each year, duty to take the most efficient measures for col Fifteen members shall constitute a quorum to lecting and distributing the best samples of all tion, to be submitted to next stated meeting,

transact business.

Art. 3. The officers of the society shall cona Treasurer, two Collectors, a Librarian, twelve results to the society; for procuring experi-Trustees, and such other officers as the by-laws ments, to be made by careful agriculturists, of

ed useful.

.1rt. 5. In case of the absence of the Presi-Vice President, or if he may not be in attendance, the Second, shall fulfil the duties of President .of any officer, the Society shall have power to rying into effect the objects of the institution. appoint in his place a member, to act until the elected.

Art. 6. It shall be the duty of the Recording

may be needed.

Art. 7. The Corresponding Secretary shall the same from time to time before the President : and he shall render a true account of the expenses attending the same, if any, at a stated meeting, which expenses shall be paid out of the funds of the Society.

nies, whether of regular contributions, or dona- the Collector's receipt. tions, and pay them out upon orders from the by the Recording Secretary. He shall keep a the members present, at any stated autumnal modern dilaceration of the Linnean genera-a fair account of his receipts and disbursements, which he shall at any time submit to the inspection of a committee duly appointed and authori-stated meeting of the Society. sed by the Society to examine the same, and settle with him.

to collect the annual contributions from the members when in airears, and pay the same into the hands of the Treasurer.

Art. 10. The Librarian shall take charge of all the printed books, periodical works, &c. &c. be-

longing to the Society, and shall dispose of them as the by-laws shall direct.

Art. 11. Twelve Trustees shall be elected, a Art. 11. Twelve Trustees shall be elected, a due proportion of which shall be residents of the different counties whose citizens shall become members of this Society. They shall meet as often as their Chairman or any two members.

Art. 11. Twelve Trustees shall be elected, a M. PAYNE, Assistant Recording Secretary. BENJAMIN LUNDY, Corresponding Secretary. WILLIAM K. VANCE, Treasurer.

RICHARD M. WOODS, Collectors. often as their Chairman or any two members Col A. HUNTER, may deem it necessary; and any three of their JOHN A. AIKIN, Esq. Librarian. number shall constitute a quorum. The Trustees shall from time to time examine in person Col. Geo. T. Gillespie, the management and condition of such farms as Col. P. Parsons, they may consider objects worthy of their atten Rev. Stephen Brooks, tion; and they shall make report to the society of Richard M. Woods, such as may merit their approbation. They shall Rev. Charles Coffin, severally take charge of the property and arti- Daniel Heiskell,

The Society shall meet regularly in cles of the society, the books and papers of the the most useful grains, roots, and seeds; for collecting all native fossils, marls, earth or substansist of a President, two Vice Presidents, a Record- ces proper for mannes; for causing the same ing Secretary, an Assistant Recording Secretary, to be analysed, when practicable, and report the of the Society shall from time to time direct. All all such fossils, marls, earth or substances; for officers, when not otherwise directed, shall be collecting models of the best agricultural implechosen by ballot. They shall serve until the ments, and to report their properties and usefulclose of the next exhibition; and then, and ness; to designate from time to time all such thereafter be annually elected at the general subjects and objects for which premiums should meeting in the month of October.

Resolved, That the proceedings of this meeting be signed by the Chairman and Secretary, and published in the American Economist, and be offered, and to fix and declare the several in the American Farmer. Art. 4. The duty of the President shall be to premiums for the same; to appoint committees preside at all meetings; to direct such corres- to examine into the merits of, and report on all pondence as may be necessary; to superintend claims for premiums; to designate the time, and the affairs of the Society, and to make such com-make the requisite preparatory arrangements, munications as from time to time may be esteem-levery year, for the meeting of the society, and to keep regular minutes of all their proceedings. Art. 12. The first exhibition of the Society

dent at any meeting of the Society, the First shall be on the fourth Monday in October next.

Art. 13. The Society shall have power to make such by-laws and regulations, as they But in case of the absence, death, or resignation shall from time to time deem necessary for car- obligingly placed specimens in my hands.

also to read all papers laid before the Society, or for such other purposes as shall be authorised as a forage, early recommended it to the inhabithe Assistant Recording Secretary shall aid in at any general meeting, shall be paid by the tants of the West Indies, whose genial sun fathe performance thereof, whenever his services Treasurer, according to order, duly issued as yours its luxuriant growth.- I must here observe mentioned in the eighth article.

open a correspondence with such other associa- tants of this and the adjacent counties of East unavoidably given rise to doubts, uncertainties, tions or individuals on the different subjects em-trons or individuals on the different subjects em-braced by this Society, as it may direct, and lay and the promotion of domestic economy; and of a scientific nomenclature to remove. The

Art. 17. Any member shall be permitted to withdraw his name, at any time, provided he spicatus of Linneas; but Persoon has placed it the Society.

In any not be in arrears to the society, by giving in the new genus Pennisetum, under the name of Art. 8. The Treasurer shall receive all monotice to the Recording Secretary, and producing Pennisetum typhhoideum. It is not my object to

President, duly signed by him, and countersigned of, may be amended by the vote of two-thirds of class Triandria-nor into the correctness of the meeting, provided such amendment shall have dilaceration too often carried to excess and probeen proposed for consideration at a previous ductive of difficulty, and even confusion. I will

adopted. After which the Society went into an Art 9. It shall be the duty of the Collectors election of officers, which resulted as follows:

LIST OF OFFICERS.
WILLIAM DICKSON, Esq. President.
MICHAEL BRIGHT, Esq. First Vice President.

dent.
JOHN A. M'KINNEY, Esq. Second Vice President.

THOMAS HODGE, Jun. Recording Secretary

TRUSTEES.

Hugh D. Hale, Esq. Um. M'Clure, Esq. John Gragg, Esq. Dr Alex. Williams, Capt. Wm. Grant, John Gass, Esq.

A Committee consisting of John A. Aiken, the town of Greeneville, on the fourth Mondays other departments excepted. It shall be their Esq. Dr. A. Williams, and Benjamin Lundy, were appointed to draft by-laws for the institu-

B. Lundy was appointed to deliver an Oration at the next stated meeting.

The following persons were elected honorary members, viz: Hon. Thomas Emmerson, Dr. Thomas G. Watkins, Hon. Samuel Powell, Gen. Andrew Jackson, Robert Dixon, Esq. Col. Edward Ward, and Col. John Williams.

Adjourned.

WM. DICKSON, Chairman. THOMAS HODGE, Jun. Secretary. 0

Baltimore College, May 17th, 1824.

TO THE EDITOR OF THE AMERICAN FARMER. DEAR SIR.

I have devoted a few leisure-moments to the examination of the plants of which you have

The plant which goes under the name of Guinea appoint in his place a member, to act until the Art. 14. Every member, on joining this so Grass, is the Panicum larve, mentioned in the appearance of such absent officer—or, in case of ciety, (honorary members excepted) shall pay to botanical part of the French Encyclopedia, by death or resignation, until another shall be duly the Treasurer at least one dollar; and shall an Lamark and Poirct, The Panicum holygamum of nually be required to pay a sum not more than Swartz, and the funicum jumentorum of Persoon, one dollar, in the month of August as long as he may properly be referred to this species; but the Secretary to take notice of such proceedings of the general meetings as the Society may direct, and to keep a regular journal of the same; and that the appellation of guinea grass, has been as-Art. 16. The Society shall consist of inhabi- signed to other grammeous plants. This has provision shall be made for the admission of hogenus panicum belongs to the class Triandria, norary members.

Order Digynia of the Linnean method.

The Egyptian Millet is a variety of the Holeus inquire, in this place, into the propriety of this Art. 18. This Constitution or any article there-removal from the original class Polygamia to the confine myself to observing that the II. shicatus The foregoing articles were separately read and is a native of Asia and Africa, where it has been improved by culture, and whence it has been transferred into Europe and America. Its seeds are extremely farinaceous, and the meal or flour obtained from them considerably swells in water: and a quantity of it so small as to be easily contained in the hollow of a man's hund, will afford him abundant nourishment for a whole day. Hence it proves highly serviceable to the negroes. and is chiefly used by those of Senegal, when travelling. It may, perhaps, be no idle suggestion to recommend this viations to such among us as may be destined to distant expedition; through wild and barren tracts of country. Previous trials may readily be made to test this pro-

perty of the H. spicatus. The plant seen in Alabama by one of your esteemed correspondents, and afterwards successfully cultivated by himself, is, (so far as I can judge from the specimen sent to you) the Panis cum italicum, which, according to Elliott, grows from 2 to 10 feet in South Carolina and Georgia. This plant is an exotic, which early passed from

or natural. Suffice it to call the attention of your and some others, have rendered immense servi correspondents to the following remarks.

a botanist, be artificial or natural, its object evi-

This problem once solved, that is, the name and rank of the given production clearly known, we may by recurring to the works of those naturalists servation could hardly have taught us.

method of Lamarek and Decandolle) require a view of the whole plant, if attainable, but especially, of the parts of the fructification, that is, of the flower and fruit. These parts are essentially necessary for the determination of the class, order, and genus; the species requires to be determined circumstances of a more variable nature, and embracing a wider compass. The upper, lower, and even the radical leaves; the stem, the root, in short, the whole plant should Of Col. 'I ArLOE's celebrated running horses VIbe sent, with notes on the height of the plant, its RAGO, CALTPSO, LEVIATHAN and TOPGALLANT. favourite soil, the colour of its flower, the time 1795. Ch. m. Virago, was purchased at 4 years of its floration, that of the maturation of the old, by J. T. of Mr. Wm. Johnson, fruit or seed, the odour of the plant, if it has any, its taste, &c. what animals (from insects to quadrupeds) seem ford of it, &c. These circumstances are not, indeed, equally essential for the determination of a given plant, but they are sa tisfactory and useful, and often serve to dispel doubts and uncertainties.

collect the specimens intended for you in fair, dry weather-and after the sun has evaporated all the moisture which plants generally imbibe during the night. If possible, two specimens of each plant should be sent—one exhibiting it at the time Oct. 18. 3. Won the Fredericksburgh, J. C. of its floration-and the other at the time of its full maturity-all the parts should be carefully Nov. 8. 4. Won the Annapolis J. C. Pursepreserved-but they may be separated from each other for the sake of easier conveyance. The 1797. May 9. 5 Won the J. C. Purse at Tap whole should be desiccated in suitable brown paparts of the fructification that might injure each oct. 4. 8. Won do. Hanover Court House. other by contact and friction. I have received 12 9. Won the 2d day's I C Proceed from a great distance plants thus or work of the contact and friction. per, as in the formation of an herbarium-and 1798. May 8. 6. Won do. do. preserved—and, by subjecting them for a while to the steam of boiling water, been able to restore to them a flexibility such as to permit me to open and separate the different parts of the flower, Maria, by Shark, (the dam of Lady beating L and to ascertain the structure, number, form, situation, &c. of the several organs-which, together with the view of the desiccated leaves, &c. &c. always proved sufficient for the solution of the above problem.

The gramineous plants of the United States

The seed which you gave me, under the name are the princes of the vegetable kingdom; Lilies, of Jackson hea, I take to be the seed of a species that "neither spin nor weave," its patricians. of securigera, a new genus which formerly con the gramina form, then, the less splendid, but stituted part of the genus Coronilla, from which more useful plebeian multitude. They are the 1795. it has been separated on account of some material support and constitute the strength of the empire. differences in the form of the pod. The seed of They feed man, and afford abundant supplies to the Trigonella also hears some resemblance to granivorous animals; in short, they are, in every 1796. May 11. 2. Won the 2d day's purse, 3 m. this pea. When I see the whole plant I shall be respect, entitled to our researches, experiments, able to determine precisely what it is.—I will add that both the Securigera and the Trigonella pretty accurately known—notwithstanding the over Court House. belong to the class Diadelphia, order Decandria. confusion created by common-names; but for our This is not the time to enter into details re-specting the methods of botanists, either artificial Michaux, Muhlenberg, Elliott, Pursh, Nuttall, ces to the science, in this respect-but their Whether the method adopted and pursued by works are neither complete nor accessible to all. A natural history of the grasses of the United dently is to furnish the solution of this important States, digested and arranged, according to the analytic method of Lamarck and Decandolle, and "Given any vegetable production whatever, written in English, would eminently promote the to find the rank and the name assigned to it by best interests of agriculture. Of this, however, Botanists?" serving that, although some species of the genus 1798. Oct. 2. 10. Won the Va. J. C. Purse at hanicum are found in high latitudes, yet the whole family, in general, delights in the genial climate who have treated of that production, avail our of southern regions. It luxuriates most under a selves of their accumulated knowledge, and learn tropical sun; and we find the species to increase in a few hours what much time and personal ob- upon us, as we proceed towards the equator-in some parts of our southern possessions, the genus The methods which I pursue (for I sometimes francium strikingly predominates; and notwithuse the Linnean system, sometimes the arrange-ment of Jossicu, and at other times the analytic modern Botanists, it still includes upwards of 150 species. I had intended to offer some remarks on the hanicum mitiaceum-the Holcus saccharetus

O ASSESSMENT

PEDIGREE AND PERFORMANCES

of Frederick county, Va .- after having beat her, (being in bad order,) with his famous horse Grey Diomed, by Medley .- She was got by imported Shark, old Virago, by Star; Panton's Arabian, a daughter of old Crab.

Your correspondents should be requested to 1796. May 10. 1. Won the Jockey Club Purse, at Tappahannock 4 m. h. beating the famous Va. Nell.

Purse, 4 m. h.

4 m. h.

pahannock, 4 m h.

12 9. Won the 2d day's J. C. Purse at

23. 10. Won the J. C. Purse at Petersburg, 4 m. h.

Lightfoot,) Minerva, and others, and 1801, May 12. 15. do. was beaten.—in 1796, 7, and 8, she Oct. 15.16. ran with unrivalled success; was the best nag of the day—and is considered to have been one of the fleetest horses that ever ran in Virginia.

India to Italy, whence it has derived its specific descrive the attention of every enlightened agriname, and reached the new world.

The seed which you gave me, under the name are the princes of the vegetable kingdom; Lilies,

Or. m. Calypso, full sister to the famous
running horse Bel-Air, by imported
are the princes of the vegetable kingdom; Lilies, Selima, by Yorick; black Selima, by Fearnought.

Oct. 1 Won a match at the Bowling Green, Va. beating Mr. Alexander's

Shark colt, 2 m. h.

19. 4. Won the 2d day's purse, 3 m.h. Fredericksburg.

Nov. 9. 5. Won the colt's purse, 2 m. h. Annapolis.

1797. May 10. 6. Won the 2d day's purse, 3 m. h at Tappahannock.

Oct. 3. 7. Won the Va. J. C. Purse, 4 m. h. at

Hanover Court House.

Nov. 4. 8. Was beat at Petersburg, by Pursc-Bearer, 3 m. h.

14. 9. Won the Fredericksburg J. C. Purse. 4 m. h.

Hanover Court House, beating the celebrated Leviathan, and Col. Haskin's Kitte Medley.

11. 16 Won the J. C. Purse 4 m. h. at Richmond.

31. 12. Won the J. C. Purse 4 m. h. at Fredericksburg.

1799. May 8. 13. Won the J. C Purse 4 m h. at Petersburg.

14. 14. Won the J. C. Purse 4 m. h. at Tap-

pahannock, Calypso was one of the best runners of the day, having lost but one race out of fourteenbeing, however, trained with Leviathan, Virago and Flirtilla—all distinguished runners.

L. H. GIRARDIN. 1798. Oct. 2. Gr. g. Leviathan (Flagellator) by Flag of Truce—Sire of First Consul, was purchased, after beating him with Calypso.

3. 1. Won the 2d day's J. C. Purse, at Hanover Court House, 3 m.h.

30. 2. Won the J. C. Purse at Annapolis, 4 m. h.

1799. April 20. 3. Won the J. C. Purse, Richmond, 4 m. h.

May 9. 4. 2d day's, Petersburg, 3 m. h.
15. 5. 2d day's, Tappahannock, 3 m. h.
Oct. 4. 6. Won the Va J. C. Purse, 4 m. h. at

Hanover Court House. 17. 7. 2d day's J. C. Purse, 3 m. h. Richmond.

30. 8. do. do. Petersburg. Virago, having run on the first days—but proving to be broken down, was beaten

1800, May 10. 9. Beat in a match at Tappahannock, Mr. Tomlin's Wildair-a single five miles-carrying 180 lbs. against 110-won only by a neck.

May 21.10. Won the J. C. Purse 4 m. h. at Rich-

mond—beating the celebrated Miner-va and Lady Bull.

27. 11. Won the J. C. Purse, 4 m. h. at Petersburg.

do. Tappahannock, again June 10. 12. do. beating Minerva and Lady Bull.

Oct. 15. 13. Wonthe J. C. Purse, 4 m. h. at Richmond.

Alexandria, beatdo. beating Lee Boo, and others. do. Richmond.

do. Richmond. do. Being lame, was beaten at Fredericks-

burg. Do at Washington-by Mr. Sprigg's

their first racers.

2 m. h.

Do. do 2 m. h.

Broad Rock, 3 m. h.

do Oct. 5. Do. do 1806, Feb. Charleston, S. C.

and First Consul, the first heat. He ral society to award me a medal. was subsequently beaten by the Maid The following advice and infor of the Oaks.

0 TO THE EDITOR OF THE AMERICAN FARMER,

ON THE GAPES IN CHICKENS AND TURKEYS.

Dear Sir, When science is carried into the commonest and most humble concerns of life, it is then the most useful, honourable and amiable; for it benefits those who need the assistance which they cannot procure for themselves .- Sir Humphrey Davy, in diving into the depths of the English Colleries, did more service to humanity, and procured more merited honours to himself, than if he had been the renowned warrior who has won ten battles, and sacked a dozen cities. Now the accomplished anatomist who would accompany me to my fowl yard, and detect by dissection, the disease which is so destructive to the poultry cellent for fowls of every description.

COUSIN TABITHA. of all housewives-I do not say he should be placed by the side of Davy and Jenner, but I do say he should be placed by the side of a nice chicken pie every week. The gapes in chickens is said to be a worm, and some say a collection of worms, in the wind pipe. Whatever may be the nature of the disease, it usualwind pipes of several that have died of this dismined the apparent worm by a microscope, which I do not possess; nor have I tested its substance mined the apparent worm by a microscope, which I do not possess; nor have I tested its substance by chymical processes which I do not understand, but the difficult respirations, the suffused state of the vessels of the throat, and this filmy worm found lining its canal—all led me to suppose the disease to be inflammatory, and similar in its nature to that, which, under the names of croup, and quinsey, prove so fatal to children. Two circumstances have led me to a remedy. Last year one gang of my young turkeys had access

C. In 1799 and 1800, he beat the best ly in an apple nursery, which they devoured ence here; his exertions to introduce his plough, horses of the day with great ease; was greedily, and were all raised; while, at the same have been unwearied and incessant—and most of considered the best horse that ever time, another brood confined on the short blue the Friends have encouraged him, and some of ran in Virginia, and is yet quoted as grass of the house lot, nearly all died. Againhad seen toddy, made with a decoction of red b. h. Top Gallant, by imported Diomed; pepper and rum, drunk with advantage, in that of all others. What has been the result of seve-Shark; Harris's Eclipse; Old Janus. complaint of the throat so fatal to soldiers, in the ral year's experience in the use of each plough, Purchased 1804, at 3 years of Mr. latter part of the late war; and I had seen pepper mush applied as a poultice with great benefit for 1804. 1. Won the sweepstakes at Petersburg, a sore throat with swelled tonsils. These conjec-laid aside, and the farmers have, with scarcely tures of the nature of the disease, and the recol Richmond, lections of those two remedies, made me suppose that a pungent heating diet, to overcome the ef-1805, May 12. 3. Won the Handicap Plate at fects of wet and cold, would prevent, if not cure the disease. I have made the trial, and to this time with 22. 4. Won the J.C. Purse, 4 m. h. at Richmond the appearance of the most perfect success. I have clous representations? 4 do Broadrock, boiled red pepper pods in water, and made mush 4 do Richmond, with this, which I feed plentifully to the young 7. Won the J. C. Purse, 4 m. h. at chickens and turkies every morning, and of several broods—all have continued healthy, and seem Oct. 8. Won the J. C. Purse, 4 m. h. at unusually active and vigorous. I prefer the morn-Richmond. Topgallant was beaten in ing for this warm diet, on the same principle unusually active and vigorous. I prefer the mornthe autumn of 1804, by the celebrated that antifogmatics are taken by the gentlemen of Florizel, in a sweepstakes between the southern states. I wish other housewives to them, Amanda, the dam of Duroc, and make trial of this remedy, (and of pepper grass others. He was afterwards beaten for if they please) and communicate the result of the J. C. Purse, 4 m. h. at Washington by Floretta, having beaten her. Oscar I believe I have, I hereby invite some agricultu-

> The following advice and information concerning fowls, I offer gratis. I know a negro woman, who lives and raises fowls in the midst of a conwho lives and raises towls in the midst of a con-it may, however, prove highly medicinal, if defi-siderable park of large trees. Sometimes, but not always, in the winter, or very early in the not always, in the winter, or very early in the spring, this is burned over to destroy the leaves, fully to realize, before I abandon its culture.
>
> and shrubs; and the woman observes that her
>
> The Guinea Grass seed never vegetated.—I chickens are raised with most ease, and are least had before tried seed of the same grass with the liable to diseases, in the year when the bark is

burned.

I have found that burning over my fowl yards, with leaves or straw, white washing the chicken house, and ploughing the yard and digging up the a similar disaster, last winter, I preserved all floor of the house, usually has the effect of lessen my seed for a spring sowing, and have now about ing the number of small vermin and insects, and may in other ways have been salutary. I will trespass no farther on your patience either by more last words, or with hostscripts (as is said to Tomatoes, as part of a course of diet, are ex-Tomatoes, as part of a course of diet, are ex-

FOR THE AMERICAN FARMER.

Mr. Skinner.

I had expected from the multiplied defeats. which Gideon Davis had experienced, at the ly destroys a large proportion of all the public exhibitions, in his competitions with me chickens that are hatched. I have opened the in ploughing, that he would not again have troubled you, or the public, with his superfluous comease, and have usually drawn from them a worm ments on the decision of committees on ploughlike substance, a little targer and shorter than a ing; nor again compel me to appear in your co-DEAR SIR, common pin. It seems at first view endowed lumns. I was satisfied to let the impartial voice with life, for it contracts on being touched—but I of the agricultural community award the prenow believe it composed of a thick viscous matter, that is secreted in consequence of inflammation, and lines the wind pipe. I have not examined the apparent worm by a microscope, which
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1802, April Sold him to Maj. McPherson of S. to a patch of peppergrass, growing abundant numerous and respectable, and have much influthem have purchased his ploughs for their own use, who heretofore used mine to the exclusion under all the circumstances of variety of ground, season, and draught?-Davis's plough has been an exception, resumed the use of my plough, and all this after the experience of some ten or twelve years.

Does not this speak louder than all Mr. Davis's speculation, unsupported by facts, or even spe-

WILLIAM BROWN.

Brookville, May 12, 1824.

Editorial Correspondence.

Extract of a letter dated Edgefield Court House,
(S. C.) 26th April, 1824.
"The Woad Seed you were so kind as to send

me the second time, have vegetated, and are now very flourishing, having just shed their blossoms. I shall procure seed this season, sufficient for a crop the ensuing year, though I have not much confidence in its value for grazing, from its sensible properties communicating a pungency to the palate, bordering on that produced by pepper-

same result. The naked barley which I received late in the season of a hard winter, was mostly destroyed by the cold; but the part I preserved for a spring sowing, succeeded well. Fearing the eighth of an acre in drill, highly flourishing. But the last winter was so mild as to have admitted of a successful sowing during the coldest part of the season .- I anticipate a sufficient pro-

the Missouri grass, with which I continue highly pleased; and a variety of the tall winter seed grass, with a white straw, which is also very valuable.

I shall attempt mixing the naked barley with the common kind, and investigate all its relative values, which, in addition to other discoveries, you shall be duly apprised of."

A. L.

UNIVERSITY OF VIRGINIA. ITS PROGRESS AND PROSPECTS.

Bremo, May 3d, 1824.

The Cherokee Rose cuttings have this mo-

tant establishment.

I trust, that all the worthics who have so successfully co-operated in the establishment of an printed and delivered to the Treasurer, and want institution to promote the intellectual and moral improvement of the Ancient Dominion, will now the canal along the Valley of James and Jackson's signed and then delivered to the trustees and Rivers, so eminently calculated to develope her others, according physical resources. This done, we may expect procured by each. to maintain our relative standing with our sisters of the Union.

Accept my thanks for the intelligence you have occasionally sent me in relation to the Delaware and Chesapeake Canal.

Your's with high regard, JOHN H, COCKE.

To J. S. SKINNER,

A GENERAL GARDENING CALENDAR, Being a copy of one in use by an Illustrious Phi losopher and cultivator of literature and the fleaceful arts, not far from Charlottesville in Virginia.

HERD () GREET

Feb. 1. Hophills-manure and dress them. Asparagus-dress and replant.

15. Sow Frame-Peas, the first open weather.

Sow Lettuce and Radishes.

Spinage-sow.

15. Nasturtium, Tomatos, Carrots, Beets,

Forward Corn.

Ledman's Peas, Snaps, Cucumbers, Gerkins, Melons, Eggplant, Okra, Squashes, Sorrel.

May of Lettuce should be sowed every Mon-day at 11 o'clock, A. M. day morning, from Feb. 1st to Sept. 1. in the spring, at intervals of a fortnight, and again weekly from August 15, to Sept. I, for winter and spring use.

Gooseberries, Currants. Trebeds, bring in manure, and turf. January,

LEW SLAT SET

BALTIMORE, FRIDAY, MAY 21, 1824

Extract from the minutes of Proceedings of the Board of Trustees of the Maryland Agricul-tural Society.

MAY 12th, 1824. Agreeably to adjournment, the Board of Trus Agreeably to adjournment, the Board of Pustees met at Green Spring Punch, the residence of Month, without waiting the return of the Hon. S. Owings, Esq.—Present, Gen C. Ridgely, of Hampton, Chairman—S. Owings—Jacob Hollingsworth—D. Williamson, Jr.—R. Caton—Christopher Carnan—H. V. Somerville—N. M. Bosley—James Gittings, and N. W. Hall, Fsqs., grees, and will doubtless receive the saoction of members.—James Howard, the Secretary protein the President.—We shall publish the law as one absent. L.S. Skinner, acted as Secretary protein of great moment to our patrons.—Time will test absent, J. S. Skinner acted as Secretary protem. of great moment to our patrons.—Time will test The committee appointed at the last meeting to the truth of the various and very opposite opin-

character in the faculty of this great and impor- procure a seal for the Society, and a certificate ions as to its practical bearing on the welfare of of membership, report that that duty has been executed, and that the certificates have been only the signatures of the President and Secreta

On motion by David Williamson, Jr. Resolved, that a committee be appointed to procure the plate for distribution at the next Cattle Show, ac cording to the scheme of premiums published in the American Farmer, page 10 of vol. 6—and papearing to compete with his bay filly "Flirtil-James Cox, B. W. Hall, H. V. Somerville, and la"—she galloped round the course J. S Skinner, were appointed to contract for

cotton in Maryland; and that, as accessary to that object, a premium be offered of thirty dol lars in value to the person who shall first, before the month of November in the year 1826, erect a Gin, and by it, clean in one year, one thousand pounds of Cotton.

On motion by H. V. Somerville, Esq. Resolved, that a committee of five be appointed to prepare a list of judges, to award the premiums which have been offered for distribution at the next Cattle Show on the Western Shore of Maryland, Celery Sow—also Malta & Sprout at their next meeting, to be then finally decided at their next meeting, to be then finally decided on.—J. Hollingsworth, H. V. Somerville, J. S. Will come in succession at their next meeting, to be then finally decided on.—J. Hollingsworth, H. V. Somerville, J. S. Will come in succession of a fortnight's interval. Skinner, D. Williamson, Jr. and B. W. Hall, Somerville, J. S. Were then appointed a committee to prepare said where, Some said were then appointed a committee to prepare said where, Some said were then appointed a committee to prepare said where, Some said were then appointed a committee to prepare said where, Some said were then appointed a committee to prepare said where, Some said were then appointed a committee to prepare said where, Some said were then appointed a committee to prepare said where, Some said were then appointed a committee to prepare said where, Some said were then appointed a committee to prepare said where, Some said were then appointed a committee to prepare said where, Some said were then appointed a committee to prepare said where said were then appointed a committee to prepare said where said were then appointed a committee to prepare said where said were then appointed a committee to prepare said where said were then appointed a committee to prepare said where said were said were said where said were said where said were said were said where said were said where said were said where said were said were said

On motion by B. W. Hall, Esq. Resolved, that Garlic, Leeks, Onions, Chives, Shalots, it be the duty of the Sccretary, to furnish the 32 cts.—Rye, per bush. 45 cts.—Oats, 25 to 31 Scallions, and forward Turnips—sow, Editor of the American Farmer with an official cts.—B. E. Peas, 56 cts—White Beans, \$1—

On motion by the Chairman, it was Resolved,

Gittings, Esq., on Wednesday the 9th of June.

TO CORRESPONDENTS .- "JAMES" was November, Spinach, and tender plants. Plant December, and trim Trees, Vines, Rashberries, Gooseberries, Currants. Trench ginal and valuable communications will appear ginal and valuable communications will appear in our next .- We must close the publications of the papers from the Agricultural Society of the Valley, before we commonce those from the Washington Agricultural Society of East Ten-NESSEE.

> ticulars of the bursting of the Steam boat Etna's boilers, by which many lives were lost-our read ers have doubtless seen the details in other pa-

> month, without waiting the return of the Hon.

society.

IF When this paper went to press (Thursday eveniog) the interior of the elegant Shor-Tower ry; whereupon the committee recommend that lately erected by some of our most enterprising cordially unite their efforts to carry into execution the Treasurer procure said certificates, to be so and worthy citizens, was on fire and no hope is signed and then delivered to the trustees and entertained of extinguishing it. It had we believe others, according to the number of subscribers answered the expectation of its founders, by rendering us independent on other cities for a supply of that article.

THE RACES.—The first days purse of \$400, was taken by Gcn. Wynn, of Virginia, nothing

The second day's purse of \$300 was run On motion by R. Caton, Esq. it was Resolved, for yesterday by General Wynn's filly Platina, that it is expedient to encourage the growth of and Mr. Wilson's horse "Greyhound"—Platina won the two first heats, and of course the purse

0

ERROR CORRECTED.-In Number 7 of the Farmer, page 51, No. 68, Sir Archy, for "run as a cult successfully at Washington, having the distemper, &c," read "run unsuccessfully."

PRICES OF COUNTRY PRODUCE—carefully collected every Thursday, for the American

-Corn, yellow, 32 to 34 cts .- Do. white 30 to Scallions, and forward Turmins—sow, plant, and transplant.

April 1. Ledman's Peas, Snapis, Capsicums, Salsifis, Long Haricots, Lima Beans, Forward Corn.

Editor of the American Farmer with an official cts.—B. E. 71 ets., 50 ts.—Mericans, 51—b. E. 71 ets. 40 ts.—B. E. 71 ets. 50 ts.—Apple Brandy, 40 ets.—Peach Board of Trustees, within three days after such Salsifis, Long Haricots, Lima Beans, meeting, to be published in his journal.

On motion by the Chairman, it was Resolved, —Do. Do. No. 2, \$1 25—Shad, trimmed, \$6 that it be the duty of the Secretary to forward a 75—Do. Untrimmed, \$5.75—Gioseng, 30 cts.—written notice to each member of this Board, at Linseed Oil, 62 cts. in demand—Clover Seed, \$3. least four days previous to each meeting-to ap | 50 to \$3 75 per bush -Flax Seed, rough, 75 1. Red Haricots, Snaps, Honey Beans, prize him of the day and place fixed for said cts.—Timothy, Do. 32 50—Hay, per ton, \$10—Swedish Turnips. N. B. A thimblend meeting, and to request his attendance on said Flax, 9 cts.—Candles, Mould, 12½ cts.—Soap, 7 cts.-Pork, Mess, §14 75-Do. Prime, §11 75--The Board then adjourned, to hold their next Butter, 7 cts. to 14 cts.-Lard, 81 cts.-Bacon, Spinach should be sowed 2 or 3 times meeting at Long Green, the residence of James 8 cts.—Leather, Best Sole, 24 to 27 cts.—Feathers, 35 cts.

TOBACCO.—Sales very brisk the last week.—wo hogsheads fine yellow made by Thomas Cockey of Frederick County, sold for \$44-fine red may be quoted at \$14 to \$20-fine yellow, \$20 to \$40 - good red, \$5 to \$10 - common brown, \$4 to \$6.- A crop of 35 hogsheads from Anne Arundel County made upon old land, sold for \$4 and \$7.

CONTENTS OF THIS NUMBER.

Easter. We need not repeat the melancholy pariculars of the bursting of the Steam boat Etna's oilers, by which many lives were lost—our read rs have doubtless seen the details in other parers.

Congress will rise on the 27th of this anoth, without waiting the return of the Hon.

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Ledwards. Current &c. &c.

Printed every Friday at \$4 per annum, for JOHN S. SKINNER Editor, by JOSEPH ROBINSON on the North West corner of Market and B. Ividere streets, Baltimore; where every description of Book and Job Printing is executed with meanness and disposed—Orders from a distance for PRINTING or BINDANA, with proper directions promptly attended to, addressed to J. Robinson, Baltimore.

AGRICULTURE.

FOR THE AMERICAN FARMER.

ON THE USE OF GYPSUM.

DEAR SIR. Having frequently noticed many injurious ef-

or plaster of paris, throughout the United States, moved from the harvest field, his hogs are turned on this subject, through the channel of your truly scattered grain to a useful purpose; but these aniexcellent and useful paper, with the view to im- mals, like most others, being naturally averse to it will be found that the plastered mound will heat press the idea, that while plaster of paris is ad-labour, will prefer to feed on that crop which is and throw out smoke in half the time necessary initted to be an invaluable manure, yet the man-obtained with the least effort, and the clover if

injurious and destructive to our lands.

erroneous, and must, if continued, terminate in the lieves himself of the debt under an agricultural into immediate action, and the soil left destitute ruin of the land. We should sow our lands with bankruptlaw. That this most detestable custom by that system of husbandry which I endeavour gard to the injury inflicted on his lands, much less men, yet the animadversion is not too severe for will rapidly decline, unless sufficient vegetable with a view to their ultimate improvement. It is the importance of the subject. I however, speak matter be furnished to supply the reduction of it well known that the greater portion of the lands not sir, of the many agricultural gentlemen in by plaster. Plaster of paris requires much moisin Maryland are made to grow luxuriant crops of our state, whose taste, enterprise, and judgment, ture to dissolve it, and is previous to dissolution clover or other fertilizing grasses, with the aid of are an ornament to our profession; but of that a powerful attractor of it, and hence it may be plaster, and it is through this secondary influence class of earthly scourgers who disgrace the termed in the first instance an immediate fertithat the judicious farmer is enabled to enrich his most beautiful pursuit, by an exercise of that lizer of the soil. But I have heard many farlands; but the abuse of the best blessings in life unfortunate policy, which, aiming at instant gain mers declare, with the confidence of error, (whose may convert them into evils, and with a pathetic never fails to ensure ultimate ruin. The Choc-practice was to take all and leave nothing) that indifference to future consequences, as well as a taw who fells the tree that he may gather the their lands had tired of plaster; and well they total disregard to the great benefits which might fruit, is actuated by similar and contracted might, had they the faculty of knowing what result from returning an abundant vegetation to views, which induce him to forget the future in was good for them. Lands may tire from a sucthe soil, the farmer is too often found to practice the present, and to exchange an invaluable pos cession of the same crops either of grain or grass; the following destructive system. Commencing session for a temporary enjoyment.

Session for a temporary enjoyment.

We are told by chemists that the component duce the latter crop in abundance, and it be bespring for the heat and aridity of our summers— parts of gypsum are sulphuric acid, calcareous stowed by the farmer gratuitously on the land, and here originates the first misfortune from earth and common water; and although the opithat plaster of paris will never fail to produce plaster of paris-for he is often induced to delay nions on its modus operandi, when applied to aghis seeding by a deceifful reliance on this magic riculture are infinite, I will yet state my own rowth be returned to the land, this inestimable ingredient, as if it were all sufficient to restore conception of it, growing out of a few practical fertilizer may be used with magic influence, and

ately begins, even in the infancy of the plant, to fects resulting from an improper use of gypsum stitution of his soil. So soon as the grain is re-It is now about twenty years since the American of the farmer, who still excludes every hoof un-

even the dead to life. Should the farmer, how-resperiments during a limited experience at farmever, succeed in setting a handsome sod of clover ing. The predominant ingredients of gypsum, with the cheerfulness of success he bestows on the sulphuric acid, and lime, act as powerful septics plaster, the praises which it merits, and immedi- on all latent vegetable or animal matter, and by their extraordinary putrescent powers reduce derive (as he conceives) some advantages from them to the earliest state of putrefaction. That his agricultural wisdom, and the peculiar con-plaster of paris possesses this attribute in the most eminent degree, is exemplified by raising two mounds of partially rotted manure, and by dissemi-I am induced to offer a few hints to the publick, in with the ostensible object of converting his nating the plaster in repeated sprinklings through the one, and raising the other exclusively of manure, for the same effects to be produced in the other, ner of using it, now in general practice, is most well set, will at this time predominate in the har- and often in very dry weather the plastered mound vest field, and furnishes a tender and succulent will exhibit these phenomena, while the other A system of husbandry producing a continual food, with little or no toil to the animal, and thus evidences little or no symptom of fermentation. deterioration of the soil, is no less disgusting to in its early state it receives a sudden check; for Again, in flushing a luxuriant field of clover in the farmer, than ruinous to the owner; for in a the clover is a plant no less delicate in infancy, the fall, plaster a small piece previous to flushing few years it cuts off the sources of his support and than vigorous in maturity. The succeeding spring with the ordinary quantity of a bushel to the acre, revenue, and converts a soil, which under better we find this clover field again plastered and enrevenue, and converts a soil, which under better we find this clover field again plastered and en- and in the spring ensuing, if the same land be tillage might have been productive and abundant, closed for the scythe, and even an abundant crop again ploughed at the same depth so that the veinto the very emblem of poverty and desolation, of hay does not satisfy the inordinate expectations getable matter be exposed, it will appear that the growth on the plastered part will be thoroughly farmer became acquainted with the application of til the field produces another crop in mid-sum- rotted, and in the finest condition for benefitting plaster of paris to the uses of husbandry, and I mer, which is again cut for the purpose of seed vegetable life, while that on the other part will am inclined to believe that the agricultural interpor salted hay; and to put the finishing stroke of still be very harsh and comparatively in an unest of the United States has been little benefitted, absurdity on the picture, I have seen late in the decayed state. I think that plastering the sod in fall and early in the spring, when the surface is but to attribute any thing like evil to this truly been controlled to the fall and early in the slover which to do the former likely and the provinced that the fall and early in the slover which to do the former likely means the state of applying this valuable means to be stated to the former likely means to be stated to the former likely means to be the state of valuable manure, almost implies a contradiction very root of the clover, which to do the farmer luable manure; at least I have remarked greater valuable manure, almost implies a contradiction very root of the clover, which to do the farmer in term, or a solecism in language; so long and so justice, he did intend to bestow as a legacy on the intimately has it been associated with the improvement of land. It is true, the use of plaster of provement of land. It is true, the use of plaster of on our lands generally, has increased our crops both of grain and grass, for many years past; but if we look to the causes of this augmented production, we find it resulting from a sacrifice of the same career of thoughtless cupidity, which the best properties of the earth. The rapacious farmer, not content with the natural yield of his but is pre-eminently calculated to reduce the lands has recovere to the exciting influence of richest soils to a perfect caput mortuum. By this lands, has recourse to the exciting influence of richest soils to a perfect caput mortuum. By this matter is returned to them as a pabulum for the plaster to increase their fertility, and by reaping their natural as well as artificial crops, and returning nothing to the land for its amelioration or improvement, his farm is soon destined to certain ruin, and he not unfrequently reminds me of the simpleton in the story who destroyed the goose in, when the scene is closed by the flushing of the a tenfold ratio with common lime acts on the soil to obtain her golden eggs the speedier. I consider field for grain. Every year the donation from the and injures it by its caustic qualities, having preit sir, an unalterable principle in good farming, land to the farmer, exceeds in a quadruple ratio viously extracted its vegetable food. In other that all lands judiciously tilled will acquire addi-his deposite, till in the end the farmer becomes tional fertility, while they continue to yield larger impoverished by repeated acts of unrequited gelands are more speedily impoverished; for and finer crops; and wherever we find an increase of crop attended by a decrease of soil, we may longer) strikes off his arrears by an act of arbiplaster, with the desire permanently to enrich is practised to a great extent, if not in the whole, to deprecate. Any far.mer who will impartially them; but the farmer is too generally deluded by the hope of an immediate return in an increase deny; and although the language may be rather application of plaster to his lands will always be of crop, and he gathers, apparently without rechards for the delicate organs of modern husbandthe happiest effects. Wherever a fine vegetable

soil, exceeds even the hope of the farmer; but a greater capacity in retaining marine deposite But in Maryland, the plough and the harrow are that practice of cultivation by which the land is than those of a higher or more waving surface, or tou often substituted for good tillage or manures; made to produce more than its natural quantum else it might involve a question important to reli-of crop, and all its productions being removed gion and philosophy. Yet I have remarked one by an enlargement of our fields, which seldom with inconceivable avidity, it cannot fail to experience an annual deterioration, and will become of paris, which has given me infinite surprise.— farmer, if it does not realise his hopes in addiless and less valuable until all its vegetable food. There are many rich bottoms in Maryland, the tional revenue. To enrich a large farm from is extracted, and then plaster of paris which has soil of which is composed evidently of the wash- the product of the barn-yard alone, is a tedious wrought this effect, simply through the ignorance ings from the hills above. On these hills the process; and Providence, as if to remedy this deor obstinacy of the farmer, will be abused as the effects from plaster will be most manifest, while hiciency, has given us the command of an abunoperating cause of its decay. I have seen some lands in Maryland to all appearance so extremely sterile, as to render the cultivation of them an act of folly; but which, like the heath lands of Eng- and ingenuity of the chemist than the farmer, would indicate a determination on his part, to land, contain a prodigious mass of dormant ve- and I sincerely lament they have not yet sufficient reduce his fields (in direct opposition to the land, contain a prodigious mass of dormant vegetable material. The bald gravelly hills about Washington City are soils of this description, and solving the mystery. although naturally unfit for tillage, they are made to produce a ton of clover hay to the acre, by having their contents brought in operation through the agency of plaster. The most remarkable effects I have ever seen from plaster appeared on these lands, and I have known this invaluable to the interest of agriculture, and unless the instances, included a sammary proceed-to the susceptibility destroyed, and the lands left completely destitute in four years by heavy plastering will speedily verify our gloomiest predictions in I allude to a custom which I forbear to locate, of and repeated cuttings.

Lands originally rich, are always inclined to remain so; and I believe the reverse of the proposition will hold equally true. When, therefore, the owner of strong lands begins to remark a diminution in his crops, he may full himself with plaster), that our practice of farming requires the may have already been too severe in many of my the belief that they have tired of plaster, they have tired of plaster, they been injured from using it, the seasons have will never be effectually wrought, until the farther practice of the farmer, is have been injured from using it, the seasons have will never be effectually wrought, until the farther practice of the farmer, is have been injured from using it, the seasons have will never be effectually wrought, until the farther practice of the farmer, is have been injured from using it, the seasons have will never be effectually wrought, until the farther practice of the farmer, is have been injured from using it, the seasons have will never be effectually wrought, until the farther practice of the farmer, is have been injured from using it, the seasons have will never be effectually wrought, until the farther practice of the farmer, is have been injured from using it, the seasons have will never be effectually wrought, until the farther practice of the farmer, is have been injured from using it, the seasons have will never be effectually wrought, until the farther practice of the farmer, is have been injured from using it, the seasons have will never be effectually wrought, until the farther practice of the farmer, is have been injured from using it, the seasons have will never be effectually wrought, until the farther practice of the farmer is have been injured from using it. proved less favourable, or that it results from many other causes which the farmer has always land as a part of his annual revenue. He would good husbandry, it is the most signal and destruct at hand, rather than admit their declining fertities, or his own want of skill in agricultural protections of the learn in the beginning to dispense with tive.—Like Arator's three-shift system it has the lity, or his own want of skill in agricultural protections. ceedings; but although the decay may be slow the happiness to till better land; for I have promises to destroy the land; and the fidelity and gradual, in proportion to the original vigor of the land, yet without the proper restoratives, its ruin will be inevitable. Even the alluvion of Louisiana, which is composed almost exclusively of the hoof, the sickle, the scythe, and the sun these remarks hastily together with the hope of vegetable mould, and is perhaps the richest These enemies to hushandry, so invade our of attracting the attention of some of your readsoil in the world, (not even excepting that of the Nile, in its most renowned ages) is yet subject, teach us to esteem them as real friends, while struction, on a subject equally important with any under abusive management, to manifest injury and you find the wise planter, even in that favour-

productive.

are some lands, in Maryland, particularly those say much, however, in support of this impression, greatest characters on earth," and if we add to bounding on the Chesapeake, the Atlantic border, and generally on all salt rivers, where plaster but it sometimes reminds me of our western profession so enviable as the farmer's. As an inis found to produce no visible effect. It is a diffimissionaries who insist on preceding civilization dividual of a great and agricultural country, I cult subject to venture on, but I should certainly with christianity, and scatter their bibles and am truly delighted to congratulate you on the incline to the opinion that these lands contain some properties to which plaster of paris bears a stronger affinity, than to vegetable or animal matter, that either neutralize or suspend its operations; and I am strengthened in this belief, from judicious system of tillage, almost proverbial for our agricultural society. The interest and taste a knowledge of the fact, that these lands are their beauty and fertility; and when we reflect on of the community are already enlisted in the neither injured nor benefitted from the use of plasthe many facilities with which nature and art cause of agriculture, and I predict its energies for vegetable life, it would furnish it on any soil, it becomes a still greater source of surprise to reunless neutralized or prevented by some chemical to earths. But low and flat lands generally, with-farmer seldom puts in a crop without previously out regard to location are invariably unfriendly manuring his land; and this provision saves to the action of plaster. It therefore appears, if him in the end an infinity of labour and expense, the above conjecture as to marine influence be by securing to him as great a produce from one ed his plan, and consider it a good one. I have

on the very same soil, though in the valley, it dant vegetation, which is converted at the option exercises no apparent influence. These, howe-of the farmer to a useful or destructive purpose. ver, are investigations better adapted to the skill The practice however, of the Maryland farmer,

But to return to my original part of the subjectthey devastate our property by unceasing attack, other in agriculture, my views are amply grati-1 think an active and solicitous regard for the fied. ed country, having recourse to restoratives, in improvement, or at least the preservation of our order to render his lands still more abundant and lands, is at this moment of much more importing the husbandman to enrich his family, to adorn An important objection, however, may be offer-than our immediate attention to the introduction vance that profession, above all others the most of foreign and expensive breeds of stock, that on vegetable and animal matter only, for there fuvorite object of our Agricultural Society. To catechisms with wasteful profusion, like good and manifold improvements in farming which have

There are many estates in Maryland, originally poor, that have become in a few years under a witness the accomplishment of the best views of If plaster of paris contained in itself food have furnished us for the attainment of this end, will follow as a natural consequence.

With great esteem, your's, perturbized or prevented by some chemical mark the positive disregard to injury, with which

H. V. SOMERVILLE. mark the positive disregard to injury, with which process which it undergoes on the land, and if it a large majority of our farmers cultivate their acts as a preparer of vegetable substances, it would lands. Even in the vicinage of our commercial universally performits office, unless prevented by similar operating causes.—We know that lands, contend wherever this exists 'tis impossible to particularly those bounding on the sea, contain improve land, unless by an expensive recourse to large proportions of marine salts, to which sul- animal manure, which is too generally beyond the phuric acid has a much stronger attraction than control of most farmers. In England the good

the speed with which it permanently enriches the correct, that these lands of low or even surface have acre as he would otherwise receive from several. phenomenon in the capricious history of plaster fails to exceed in expense the expectations of the ly attracted the attention of gentlemen capable of English mode I have mentioned) before he subjects them to a grain crop; and three years of unmerciful cutting and hoofing will never fail tu however mysterious and contradictory the histo-secure to him this object, by rendering his lands ry of plaster may appear, we still know enough perfectly bare and destitute for flushing:—and, of its character, to prove that it places at the sir, with a blush I relate the anecdote—I have command of the farmer, a most dangerous engine in several instances, noticed a summary proceedproducing ruin where benefit alone was intend-putting out clover lands to be mowed on shares; ed.—Whoever will take a view of the quantity of the undertaker to receive one half and carry it off, poor and unimproved land in Maryland, will not he- for cutting and securing the other, for the use of sitate to say (particularly when he remembers how the proprietor. It is perhaps inexpedient at any easily it may be improved by a proper recourse to time to speak too harshly of human errors, and I never yet seen a soil from the St. Lawrence to the with which it executes its engagement, may in-Mississippi, capable of sustaining the mal-applica-tion of plaster, and all the multiplied robberies the punctuality of its performance. I have thrown

tance to the agricultural interest of Maryland, and beautify the face of his country, and to adwholesome grain on the barren soil of savage life, already resulted from your valuable exertions, and I trust there are those now living who will

Bloomsbury, May 20, 1824.

0 TO THE EDITOR OF THE AMERICAN FARMER.

Washington, Pennsylvania.

and believe either of them will answer, with found within six miles of his farm. But what rous, and from the circumstance of a gum issuing eareful management. I find a large, handful was very remarkable, directly across the river, out of the wounded parts, there is no doubt it of tobacco stems, placed in the crotch of my on the Ohio side, the peach tree was doing well. materially injures the health of the tree.—Knowtrees, guards them against all kinds of depredations that work above ground. I have not made to get on the top of one of their high hills, where alluded to to be the primary, if not the sole cause sufficient experiments to know whether it will the eye could take in at the same time, the of the failure of our peach orchards, I tried a protect against that most destructive of all enemies, the worm that feeds on the bark of the root; but am inclined to believe, that by placing fresh bunches of stems once a year in the forks of the trees, the rains would saturate the earth round the roots, so as to prevent the fly from developed to the prospect was cheering and delightful; whilst on the Virginia side, it was much more sombre. The irregular line formed by the river could be desired. The irregular line formed by the river could be desired to destroy them, and have found the following to have the desired effect:—

The irregular line formed by the river could be distinctly traced as far as the eye could ly as well, about half a gallon of wood ashes; the roots of the roots of the roots of the roots. In the fall of the year (at which time the eggs are deposited) I take for a grown tree, a bandful of tobacco stems, or, what will do equalpositing the nit. - I intend to make the experi- reach .- I cannot state the exact time the peach and after baring the roots, lay either of them on ment more fully; and I wish it were gene trees began to fail with us, but recollect it was and about the trunk, and cover the whole with rally tried. I last year applied a good coat of five or six years after I had heard of its failure earth: the am beer of the tobacco and the lye tar and fish oil from my tar bucket, to the roots in Jersey and in the castern part of this state. I of the ashes are both fatal to the embryo insect, of my gage plums.—The trees now look as healobserve for the last three or four years, when
thy as I could wish. The failure of the peach
tree amongst us, presented a singular phænomenon—the disease, (if it may be so called) commenced in particular spots, and extended rapidly
I have found by experience, that as soon as an
every direction. In some neighbourhoods the
destruction was complete; in others only perbest to cut, it off near the ground. Fine strong of the tree and bring on premature deave by destruction was complete; in others, only par-tial. In our market we had always a tolerable shoots, almost uniformly come from the old stump, pruning. I have tried them with and without supply. On the north least side of the county, or from its roots. These shoots mostly bear the pruning, and am decidedly against using the not a living tree could be seen; and or the south second year. I am not prepared to say whether pruning hook at all. The reasons in favour of they will be as durable as trees raised from the this plan are obvious. I suffer the tree to grow Monongahela, in Fayette County, you could not have found a peach tree in a day's ride. It was quite a common thing to send our frieads in Uniontown, parcels of peaches by the stage. I when raised in this way.

R. this plan are obvious. I suffer the tree to grow as nature pleases, and it will then assume a shape well calculated to withstand the shocks of storms, and some other kinds of forest trees, answer well when raised in this way.

R. an opposite plan, by cutting off the first branches that appear, a long body is formed and the tree to grow as nature pleases, and it will then assume a shape well calculated to withstand the shocks of storms, and some other kinds of forest trees, answer well an opposite plan, by cutting off the first branches that appear, a long body is formed and the tree a visit to a friend, who lives in a very fine settlement, on the east branch of the Ohio River, above Wheeling, called "Short Creek." On Onl my way there, about ten miles from home, I be- Published by order of the Agricultural Society gan to notice the peach tree presenting a sickly appearance; and, in one mile farther west, not a living tree was to be found. The dry, dead time and attention to the cultivation and preserskeletons presented a most dismal aspect: and vation of fruit trees, and willing to diffuse any is given them by nature, the load is so equally skeletons presented a most dismal aspect; and vation of fruit trees, and willing to diffuse any is given them by nature, the load is so equally particularly so to a lover of that delicious fruit. knowledge he may possess on the subject, subdistributed, that the necessary propping is easily On my arrival at the residence of my friend, I mits, for the benefit of the public at large, the found his orchard presented the same desolate following results of many experiments. appearance. He stated to me, that three years before that time almost every farm in his neigh-rearing the peach tree, that none succeeded so bourhood, furnished abundance of delightful well as the following: In the fall of the year, I peaches, and that then, on the east side of the bury the peach stones (from which I design to

* About twelve years ago, I had ample evito remain there until the following spring, when
then be exposed to the severe frosts. I have nedence of the offensive nature of tobacco to differI take them up, and after cracking the stone
ent kinds of insects. I had a fine locust growing
carefully, so as not to injure the kernel, (the
in a situation to protect my horch from the rays
most of which will be found swollen and ready to
of the mid-day and afternoon sup. To my crack sprout and which I then plant is a treat to remain there until the following spring, when
then be exposed to the severe frosts. I have newer tried this experiment, but am of opinion, it
would have a good effect. It is from its simplicity well worthy a trial. of the mid-day and afternoon sun. To my great sprout,) and which I then plant in a trench 8 or 10 mortification, I found this favourite tree, the inches apart, where they are suffered to remain shade which had added much to the confort of until the plant has acquired a growth of 3 or 4 myself and family, attacked by an ugly dark inches in height, when I transplant them to the coloured bug, about half an inch long, and of an place designed for my peach orchard, placing oval form. This was not the only enemy. The small stones about the plant to preserve them tree stood near a stone wall fence; and its trunk from being injured by the cattle, &c. It is unneared limbs appeared to be the race ground of thou-cassary to be more explicit on this part of the sands of ants. About the first of June I noticed subject—every farmer is acquainted with the

FROM THE GENIUS OF LIBERTY.

CULTURE OF THE PEACH TREE. of Fayette County.

He has found, after adopting various modes in the leaves turning yellow; and some of the limbs mode of rearing, which is comparatively trifling, and the Lampas in horses, and the hollow in diameter, so much herforated as to compared with the preserving of this valuable break off with their own weight. Destruction and delicious fruit tree. Few have turned their Mr. Skinner, seemed inevitable. However, I was determined to attention to it, and of the few, the smallest nummake every exertion to defend my tree. I mention-ber have succeeded; perhaps none have suc-ed the case to several of my friends. I was ad-vised to try tobacco, and found it answer beyond decay for any length of time. I have, however, my expectations. I fursued the following method: I have tend to the following method: I fur two founds of tobacco into an earth-successive seasons, and am entirely convinced of facts as will, if adhered to, not only produce a en crock—on this I foured about 2 gallons of the efficacy of my plan in destroying an insect, boiling water, and let it stand for one night. I which, of all other things, I believe most pernicular I have tend to think I successive seasons, and am entirely convinced of facts as will, if adhered to, not only produce a more humane treatment of domestic animals, but boiling water, and let it stand for one night. I which, of all other things, I believe most pernicular I have tend to make the facts as will, if adhered to, not only produce a more humane treatment of domestic animals, but also advance the interest of their owners.

Opinious that I have tend to with this description. washed with this decoction. The insects entirely few farmers are aware, that the peach tree redisafificated. In one month the improvement ceives its death by an insect of the fly kind, son, with the sanctity of truth; antiquity giving was quite visible. The tree continued perfectly which annually deposites its eggs in the bark of weight to them; and so much respect is paid to healthy, till I was obliged to cut it down, several the root of the tree, sometimes at or near the ancient notions by the bulk of mankind, that for gears afterwards, as it stood in the way of a new surface of the ground, but most generally under a man to contest the truth of them, is to put his house I was building. The egg is deposited by making a character at stake. History, and particularly me-

tried ashes*, tobacco, lime, tar, and tan-bark, river, he did not believe a living tree could be small perforation-these are sometimes nume-

ultimately divides into two or three main branches, which, when loaded with fruit, or during high winds, are apt to split asunder, and the death of the tree ensues. It is true, I have found it necessary sometimes to prop my trees, but in suffering The subscriber having bestowed much of his their growth to be natural, they never acquire a

In addition to what I have already stated, it may not be improper to add, that an intelligent farmer informed me, that merely to heap the earth about the root of the tree in the fall of the year, and removing it again when the winter sets raise trees) in a hole under 6 or 8 inches of earth, in, would destroy the insect, whose eggs would JOHN HACKNEY.

Note-I prefer ashes, because it is always at hand, and because it is really a good manure for peach trees. I have found a sandy soil best both for a nursery and orchard.

April 14, 1824.

ON THE HAWS OR HOAKS

In appearing before the publick on the follow-

truth of what they had taught.

which I am willing to risque my reputation; for after the disease was discovered, the membrane, young horses either have this enlargement, or it the test of which I only ask the enlightened experimentalist to investigate for himself: particumention in this paper.

In what age, the haw or hoaks, as it is called, was first considered a disease, I am unable to say, but I have a work in my library, printed in 1668. written by Gervas Markham, a then celebrated English author; he speaks of it as a discuse— Gibson and Bracken were of the same opinion, month; he fully recovered, and has been in his and Taplin also, but the last loses all credit as a veterinary writer, by speaking of the gall bladder other horse I have lately attended; in this case disease. I acknowledge to have taken the lam-of the horse, whereas, he hath none. As I con-his jaw was partially affected. In these two cases pas out, but never without expostulating against test the truth of the opinion, and deny the hoaks being a disease, I shall proceed to state the following facts in support of this assertion.

largement; but the truth is, that it is a useful ap- showed the same symptoms as the first mention- have had the lampas taken out, supposing it to pendage to the eye, and is as natural to the horse, ed, so far as respects the disease called hoaks. as it is for him to have two cars: it is the nectat- With the above facts in corroboration of my opiing membrane placed in that corner of the eye nion, I have the authority of the ingenious Mr. next the nose; this membrane has no action of coleman, my preceptor in the veterinary art, and its own, the eye of the horse has a retractor professor of the veterinary college in Lendon. muscle placed at the back part of it. If the eye Wr. Wm. Ryding published his veterinary pathology in 1801. Mr. Delabere Blain, a physimuscle drawn further into the orbit, and in protion as this muscle acts, the nectating membrane comes over the eye. When the horse shows symptoms of lockjaw, by raising his head high up, the eye is then drawn so forcibly into the orbit by the action of this muscle, that the orbit by the action of this muscle, that the orbit by the action of this muscle, that the voluminous writer, published in 1815, his eleventh tomists, that the use of this membrane is to sup-ply the place of hands, to wipe from the eye by Another imputed disease, is the lampas:—and matter that may get into it.

to visit him, but as I could not go before three well; on examination I found the horse indisposed; up the horn, but are placed obliquely, so as to hours had elapsed, the horse was operated on for there was a young mare in the stable that fed leave about one half its diameter unoccupied and the hoaks, that being the supposed disease. I eagerly on corn or any other kind of food; I re-hollow. From the above experiments it is clear

undertaking to deny the truth of the then exist- and not the hoaks; some altercation took place must declare that I never saw one have the ening notions, became persecuted from bright pros- from which I thought proper not to administer largement greater, if as great, and very much to pects to penury, though after ages proved the medicine, the next morning I was sent for again the surprise of Mr. P. and his servant. Previous and after examination, told the owner that I be- to this time Mr. P. often requested me to take It is by long experience and due investigation, lieved it impossible to save him; he expired on the lampas from his horses, after this he became that I feel myself enabled, with facts, to combat the fifth day. This horse was said to have the convinced of the absurdity, and never called on ancient, and now prevailing opinions; facts, on hoaks by all who saw him except myself, and soon me again relative to this supposed disease. All away. Now it cannot be said that the disease was it possible that it can be a disease? we may as perimentalist to investigate for himself. Particularly in the case of horned cattle, which I shall too far advanced for the horse to recover in this well charge the creator with a universal defect case, for the supposed disease was almost immeliant to far advanced for the horse to recover in this well charge the creator with a universal defect case, for the supposed disease was almost immeliant to interest and the creator with a universal defect case, for the supposed disease was almost immeliant to interest and the creator with a universal defect case. diately removed; why then if this had been the case. With the above facts to support my opitrue disease, did not the effect cease. Mr. J. S. nion, the following authors will add strength. of this city, has two horses that has had tetanus, Sollysel, who wrote in 1698, Mr. Blain says, was or lock-jaw, one of them had the disease in 1817, the first that speaks against the lampas as being his jaw was fixt; I was attending him for one a disease, likewise Coleman, Blain, Feron, and month; he fully recovered, and has been in his White; Ryding and Burke make no mention of present owner's possession about four years. The it, hence I conclude they do not consider it as a the membrane, or hoaks as it is termed, was not the practice, and if I could not persuade the removed, yet their eyes are in a complete state owner to lay prejudice aside, and make his mind wing facts in support of this assertion.

Of health, and all their actions perfect. I will easy, then I have done it, but in no other case. The haw is supposed to be a preternatural enhere notice, that the last three of these horses Often are horses brought to me after their owners membrane will nearly cover the ball. When voluminous writer, published in 1815, his eleventh vestigations discover them to be false, it is the people discover this symptom they are confirmed edition on veterinary medicine; all the above duty of such inquirers, publickly to contest these

we meet with, though but seldom, in the eyes of the same horse; when it is all white, it appears was about that time in England, that men of larger than it does in common, and many people learning began to think that branch of the healing animals, horned cattle, will be the result. will say it is the hoaks, notwithstanding the horse art worthy of their notice. It is to characters like membrane away, I have known horses go blind, which taught the true diseases, to which the horse induced to go to the slaughter house, in order to that before had good eyes. It is supposed by ana-is subject, and expunged such as were only ima-know the state of the healthy subject. The animal

ply the place of hands, to wipe from the cyc by Another imputed disease, is the lampas:—and given me to bore her horns, when the gimblet had the action of the retractor muscle, any offensive having satisfied myself of the absurdity of this bored through the side on which it entered, it ancient and now common opinion, I will state the In the year 1809, I attended a horse with lock-following facts that have come under my notice: jaw; when he was on the recovery a person saw The majority of horses that I have owned, have of them bled. As the animal was in perfect jaw; when he was on the recovery a person saw him, who was supposed to be very skilful about horses; this man was told that I pronounced him out of danger; so positive was he that this horse had the hoaks, that he premised his head for a line the hoaks, that he premised his head for a line the supposed disease was not cut out. The next visit I paid the horse, I found the owner much alarmed in consequence of this opinion; I must the smiths shop, in order to have it taken away; the smiths shop, in order to have it taken away; the smiths shop, in order to have it taken away; the smiths shop, in order to have it taken away; the smiths shop, in order to have it taken away; the smiths shop, in order to have it taken away; the smiths shop, in order to have it taken away; the smiths shop, in order to have it taken away; the smiths shop, in order to have it taken away; the smiths shop, in order to have it taken away; the smiths shop, in order to have it taken away; the smiths shop, in order to have it taken away; the smiths shop, in order to have it taken away; the smiths shop, in order to have it taken away; the smiths shop, in order to have it taken away; the smiths shop, in order to have it taken away; the smiths shop, in order to have it taken away; the smiths shop, in order to have it taken away; the smiths shop are smiths and the lampas and the allowed health, this experiment confirmed my opinion; the allowed health, this experiment confirmed my opinion; the allowed health, this experiment confirmed my opinion; the match the lampas, but not considering it a disease, health, this experiment confirmed my opinion; the health, the smith she health, the smith she are the health, the smith she health, the smith she are the smith she ar alarmed in consequence of this opinion; I must the smiths shop, in order to have it taken away; knocked down, I sawed his horns off, by this I confess that I was at a loss to express myself so as the mare was standing on the paved street as the believed the experiment was sufficiently complete to satisfy him, but I readily promised that my head should be given for a feet ball if he died or went blind, with the existing disease; he reconvered perfectly although the reputed tumour was not cut away. I think proper to notice that of all wound she was idle one month, and the lampas the people who saw this horse there was not one still remained. The late Mr. R. P. was a gentle-according to the proper to notice that of the people who saw this horse there was not one still remained. The late Mr. R. P. was a gentle-according to the proper to not contain the proper to not contain the people who saw this horse there was not one still remained. The late Mr. R. P. was a gentle-according to the proper to not contain the proper to not conta except myself, but what said his disease was the man who entertained a fixed opinion, that this like substance, and from this on the interior ashoaks. In 1815, Mr. M. B. M. then of this city, was a disease; one morning he sent for me to pect, is thrown out in various directions, columns had a horse suddenly taken sick, I was requested take the lampas from a horse that did not feed of perfect bone, these columns of bone do not fill

dical history, gives us accounts of men that by went and after examination said it was lock-jaw, quested permission to look into her mouth, and have been the disease that kept them from feed-

As respects the above supposed diseases, I in the opinion of its being the hoaks—if the eye authors, denounce the practice of taking this inflamed it is likewise said to be the hoaks. In general the edge of this membrane is black, but sometimes we see it all white, and this difference years, greater improvements have been made in the last thirty.

It is many years since I first began to deny the they were going to kill was a cow; permission was given me to bone her horns, when the gimblet had went to the other side without any force; her other horn was exactly in the same state, neither low, it must be absurd to treat it as a disease. It in the same climate, must be subject to the same useful information. disease, vct we have the buffaloe, or no horn cattle, and it cannot be said that they have the hollow horn when sick.

If one of them sickens and the horns are no ticed to be cold, it is at once said to be the hollow horn; whereas this only evidences an ine-tion, and if not continued too long, invigorates and quality in the circulation, and thus a symptom is taken for a disease; and with equal propriety may it be said, a man's leg is hollow because his extremities are cold in sickness; after the horn hath some exercise is in every body's power who has of the earth, seems to have intended they should been hored. I have observed some of the animals the use of his limbs. To such as can bear it, labour less than the inhabitants of cold climates: evince pain in the head; and on inquiry I was informed those symptoms did not exist before the inhabitants of mountainous countries are geneoperation; in these cases I have sawed the horn rally healthy and long lived. This is commonly off, in order to reduce the inflammation caused attributed to the purity of the air in such places by boring. It is said when the horn bleeds that yet the frequent and necessary exercise of climbit is not hollow; this is a false opinion, the hemoring mountains, which these people undergo, adds rhage is produced by the gimblet wounding the much to their health and longevity. Every one artery of the bone, or some of its branches.

its early stage. From the most diligent and ac-curate observations I have been able to make on violent to be used often, or continued for any these animals, 1 am of opinion that constipation length of time. The running-footmen in all counof the bowels is the most prevailing disease they tries are short-lived:—Few of them escape con-arc subject to, I would therefore advise that every sumptions, before they arrive at their 35th year. morning, the state of their manure be examined; —Sweating and perspiration have been found to by making this observation, it will often enable be incompatible:—The former always suppressowners to detect disease, before the animal begins es the latter. Dancing is a most salutary exerto loath its food. If the quantity of manure is cise. Fencing calls forth most of the muscles manure have passed off through the night, it will through the avenue of the eyes; and its action, as be needful to give two pounds of salts, or a quart in case the of musick, is propagated to the whole ed by the oldest sailors, although the consciousof oil, and should it not have operated in sixteen or twenty hours, it will be advisable to repeat the that the human species has been degenerating portion.

for these several centuries. When we see the

There can be no doubt but those bullocks that bled in the horn by the above experiment, had they lived for a short time, would have taken an

JOHN HASLAM, Veterinary Surgeon.

Baltimore, May 11, 1824.

GENERAL RULES FOR THE RESTORA-TION AND PRESERVATION OF HEALTH.

The enjoyment of "a sound mind," in a healthy body, being the greatest of earthly blessings, a portion of the time and industry of every rational being ought to be employed in the acquisition of so desirable a state. For this purpose, swimming. Besides exercising the limbs, it nothing is more essential than a proper knowledge of the various branches of animal economy, mix itself with the sweat of our bodies in was brought on by bruises or falls." In the same by the assistance of which we are not only enabled to preserve ourselves in perfect health, but ly in the summer season, is strongly recommend-to remove, and frequently to obviate, the attack ed: but not too long a stay in the water at one been consumptive—so much does the gentle ex-

that as in the most healthy state the horn is hol-individual, that an omission of such articles old :-- women less than men. The natural vigour would be irreconcilable to our chief aim-that of of their constitution is such, that they suffer least is a fact that all animals of the same species, and exploding hurtful prejudices, and communicating from the want of it. This will explain the mean-

EXERCISE. body as is conducive to health. Walking is the most gentle species of exercise. It promotes perspirawholesome drink, namely water, is within every body's reach, so this species of simple and wholewalking frequently up hill is recommended. The knows how much walking up a hill tends to create These animals under disease, do not show acute an appetite. This depends upon its increasing system. It has long been a subject of complaint. coats of mail of our ancestors who fought under the Edwards and Henries of former ages, we wonder how they moved, much more how they the stamina of our constitutions, and thus produthose athletic exercises, which were so much cially to such as labour under a spitting of blood. practised in former ages, as a part of military which, from our ignorance and initial agencia. To these species of details, and decentary to the species of the most fatal exercise may be added skating, jumping, the fluids towards the surface of the body.

Riding in a chariot has but few advantages, like. Talking—reading with an audible voice—
ly to form part of a liberal education. It is singing and laughing—all promote the circulation of each air; an article, upon which the success of the surface of the body.

Riding in a chariot has but few advantages, like. Talking—reading with an audible voice—
ly to form part of a liberal education. It is general use and application, should never be this subject, "bloom to the latest ages upon the superseded by other less serviceable pursuits.

Hence we are induced to explain and analyze, laughs he adds something to his life."

hence we are induced to explain and analyze, laughs he adds something to his life."

hence we are induced to explain and analyze, laughs he adds something to his life."

ing, and shew the propriety of an opinion of Rosseau, who says, that, "Women only should follow those mechanical arts which require a se-Exercise may be defined such an agitation of the dentary life." But again, a man who is phlegmatic requires more frequent and violent exercise than he who is of a bilious constitution; and, lastly, people in warm climates and seasons, restregthens the system. As the most simple and quire less than those who live in cold. As Providence, by supplying the inhabitants of warm climates with so many of the spontaneous fruits so we may infer from this, that less exercise, which is only a substitute for labour, is necessary for them. The heat of such climates is sufficient of itself, to keep up a regular and due perspiration. It may be observed, that the longest-lived people are to be found in warm climates. The coldness of northern climates, from the vigour it gives to the constitution, prompts to all kinds of exercise, which are not always restrained within symptoms; it therefore requires the most critical the insensible perspiration:—an excretion with proper bounds. These, when used to excess, examination by their keepers, to know disease in which the appetite, and the state of the stomach wear out the body. The inhabitants of warm climates being less prompted to these things, their bodies continue longer unimpaired. exercises hitherto mentioned may be termed active; the next are those of a passive nature. These are proper chiefly for valetudinareans. The life of a sailor is environed with so many dangers, that heaven has, in compensation for them, connected with it an exemption from many diseases. The exercise of sailing is constant. deficient, give one pound of salts, or a pint of into exercise, particularly those which move the either spermaceti or flaxsced oil, but should no limbs. The brain is likewise roused by it, cise, from the efforts we make to keep ourselves from falling. These efforts continue to be exertness of the mind in these, as well as in many other actions we perform, is not observed from the influence of habit. By means of this regular and gentle exercise, the blood is moved in those small capillary vessels, where it is most apt to stagnate, and perspiration is increased, which is inflammation in their head, and this by the blood achieved such great exploits, beneath the weight carried off as fast as it is discharged from the acting as extraneous matter.

Of such massy coverings. We grant that rum, body, by the constant change of atmosphere in a tobacco, tea, and some other luxuries of modern ship under sail. Nothing is here said of the beinvention, have had a large share in weakening nefit of the sea air, that being entirely negative. Its virtue, both at sea and on the sea shore, concing a more feeble race of men; yet we must sists in nothing but its being freed from those attribute much of our interiority in strength, size, noxious animal and vegetable effluvia which and agility, to the disuse which the invention of abound in the air which comes across land. Sailgun powder and fire-arms has introduced of ing is recommended to consumptive people, espe-

Dr. Lud observes, that, "out 5741 sailors who warm weather. Bathing and swimming frequent-number of hospital patients, in any other situaof many disorders to which we are liable, and time, lest, instead of increasing the vigour of the ercise of sailing fortify the lungs against all acciwhich, from our ignorance and mismanagement, constitution, it be lessened. To these species of dents, and determine the quantity and force of

not, however, necessary, nor is it convenient, of the blood through the lungs, and tend to hall kinds of exercise, in a great measure dethat all persons should be minutely instructed in the strengthen these important organs, when used in pends. It should be used only by such persons the more abstract and difficult branches of medical or anatomical science; but an acquaintance them all, inasmuch as the mind co-operates with to be lamented that those people use this mode with such familiar and practical parts as are of it. "May unfading laurels," says a writer on of exercise the most who stand in the greatest

These exercises should be varied according to expresses his surprise at the lawyers of his own in this volume, many subjects, though apparently

These exercises should be varied according to expresses his surprise at the lawyers of his own
remote from its original design, yet so intimately age, sex, temperament, climate and season, time being so much more long-lived (exteris paraconnected with the physical prosperity of the Young people stand in less need of exercise than bus) than other people, considering how much

those of them who become eminent in their pro-| these, let a few cheerful friends be our constant improved meadow, with the additions from the those of them who become eminent in their prolession, are obliged to devote themselves to constant and intense study; and he attributes it entirely to their riding the circuits so frequently, to
attend the different courts in every part of the
kingdom. Riding may be varied according to
our strength, or the nature of our disorder, by
walking, pacing, trotting, or cantering our horse.
All those diseases which are attended with a
weakness of the nerves, such as the hysteric
and hypochoudrize disorders, which show themand hypochondriac disorders, which show them-dinner their principal meal are excluded from would be desirable, (if practicable) to fix the selves in a weakness of the stomach and bowels, the benefit of this aphorism; as the interval homestead, fences, and division of fields in a comindigestion, low spirits, &c. require this exercise, between the seventh and the eleventh hour, fortable and neat manner, or if the situation of It should be used with caution in the consumption, with them (supposing they dine at two o'clock in the farm, or our means will not permit us to do and should never be violent, nor continued too long at a time. In riding to preserve health, eight or ten miles a day are sufficient to answer needs to an extension of the situation of the farm, or our means will not permit us to do so, it will be necessary (in going leisurely to o'clock in the morning—a time, in which dark-explained, and which I will now endeavour to all the purposes we would wish for; but in ri-ing, riding, and almost every other species of elucidate.—The honestead and meat-house constituted to the farm, or our means will not permit us to do so, it will be necessary (in going leisurely to o'clock in the morning—a time, in which dark-explained, and which I will now endeavour to all the purposes we would wish for; but in ri-ing, riding, and almost every other species of elucidate.—The honestead and meat-house constituted to the farm, or our means will not permit us to do so, it will be necessary (in going leisurely to o'clock in the morning—a time, in which dark-explained, and which I will now endeavour to all the purposes we would, wish for; but in ri-ing, riding, and almost every other species of elucidate.—The honestead and meat-house constituted to the farm of the farm, or our means will not permit us to do so, it will be necessary (in going leisurely to o'clock in the morning—a time, in which dark-explained to o'clock in the farm, or our means will not permit us to do so, it will be necessary (in going leisurely to o'clock in the farm, or our means will not permit us to do so, it will be necessary (in going leisurely to o'clock in the farm, or our means will not permit us to do so, it will be necessary (in going leisurely to o'clock in the farm, or our means will not on th ding to restore health, these little excursions manly exercise we have described. will avail nothing. The mind as well as the body must be roused from its languor. In taking an airbucted here, that we often see labalance of the cleared land is to be equally dividence of the cleared land is to b jects to divert us, and the very consideration of raw flesh to the human species, because the for wheat in succession, until we come again to our riding for health, sinks our spirits so much, strongest and fiercest animals in nature cat it. No. 1, which will bring us to the fourth year that we receive more harm than good from it. It is because they are so fierce and so strong, from our commencement, and then we shall get upon this account long journies are recommended to such people, in order, by the variety manner it is, because these men are naturally ple or novelty of the journey, to awaken or divert so strong, that labour immediately after eating the mind. Many have by these means been sur-does not hart them. But do we not observe, that chondriac or consumptive complaints, should visit before they renew their work.

should be recommended to those of studious hat chief meal in the evening, which is indeed a lit-bits, it is very generally observed that, how agree-tle foreign to this subject. In a country like this, able soever they may be to the mind, they are where the constant labour of every individual clover, which would remain until the fourth sumvery far from being equally salutary to the body, is so very necessary, the general use of this cus- mer or autumn, when it would be broken up, and The delicate springs of our frail machines lose tom would add several hours to every day, and sowed in wheat upon one ploughing. The fallow their activity and become enervated, and the thus have the most beneficial effects upon the field No. 2, after yielding one crop of wheat, vessels choked with obstructions, when we to agriculture—commerce—and manufactures of would remain until the following spring, when it tally desist from exercise, and the consequences the country, exclusive of its influence upon the would be cultivated in corn, and layed down in necessarily affect the brain; a mere studious life health of the inhabitants. is therefore equally prejudicial to the body and the mind. The limbs, under such circumstances, that exercise should never be used with a full the above plan had once got into complete operabecome stiff; an awkward manner is contracted; stomach. Persons who use exercise, either to pre-An inclination to study is highly commendable; An inclination to study is highly commendable; a hearty meal, resemble the man "who fled from but it ought not to be carried to the extent of aversion to society and motion. The natural lot of man is to live among his fellows; and whatever may be his situation in the world, there are a thousand occasions wherein he must render himself agreeable; to be active and adroit; to dance with grace; to command the impetuous steed; to defend himself against an enemy; to steed; to defend himself against an enemy; to preserve his life by dexterity, as by leaping, swimming, &c. Many rational causes have therefore given rise to the practice of particular exercises; and those legislators who deserve to be called the most sagacious and benevolent, have instituted opportunities for enabling youth who devote themselves to study, to become expert, also in laudable exercises.

"We shall walk, run, dance, swim, fence, sail, and ride to little purpose (says Dr. Tissot), un less we make choice of an agreeable friend to accompany us. Solitude is the bane of man; insomuch, that it is difficult to tell which suffers most, the soul in its qualities, or the body in its temperament from being alone. Too great a concourse of people breeds disease. Too much company is destructive to cheerfulness. For the sake of both mind and body, therefore, we should move in a little circle, and let heaven circum-scribe it for us. Let our wives and children be always around us; or, if we are not blessed with

prised into health. Persons who labour under such people leave their tables with reluctance: hysteric or epileptic disorders, should be sent to How slowly do they return,—and how many excold climates; those who labour under hypo-cuses do they form to loiter away a little time

But farther; there is another reason why we'l and 2. With respect to the attention to exercise that would recommend the practice of eating the vate No. 1 and 2-No. 1 in corn, which would

After what has been said, we need hardly add, and a certain disgustful air attends every action, serve or restore health, immediately after eating clover, and corn after wheat, once in three years; a hearty meal, resemble the man " who fled from it would also afford one hundred acres of clover

rican Farmer.

recurring crops, especially those of the most im-vation of corn, would, at any rate, make it portant articles of produce, viz:—Wheat, Rye, manageable. This plan would also, entirely ob-Corn, Oats, Clover, &c., and for the purpose of viate the objection which we generally feel to uniting the grain and grazing system together, clutivating corn in grass lands, (on account of the and making the one subservient to the other, I cut worm, which generally infects fields of that propose the following plan, viz:—I chuse a cer description,) by presenting every season a stubble tain number of fields, which shall be alternately field for that purpose; and above all, it would either in grass or grain; for example—if the beautify our country, by completely changing the farm contains three hundred acres, rather more face of those disgusting old fields so justly abhorthan one third would be requisite in timber, for red by every lover of good farming, and yet so fences, fuel, &c.—Say, however, one hundred generally prevalent in the present Virginia pracacres; leaving two hundred acres for cultivation, tices -If on so small a farm as above mentioned, which might be divided into five fields of thirty-four acres each, a meadow containing twenty corn land would be cultivated—say thirty-four acres, if situation and soil would admit of it, and acres, a portion of the field intended for corn allowing ten acres for garden, house and yard, might be cultivated in oats, or the various rout orchard, barn-yard, &c., and a few acres for crops recommended by experienced cultivators, agricultural experiments. Twenty acres of well such as mangel wurtzel, ruta baga, potatoes, car-

taining thirty acres, as previously mentioned, the

No. 1 and 2 the 1st. year, 3 and 4 the 2d. year, 2 and 5 the 3d. year, 4 and 1 the 4th. year,

5 and 3 the 5th. year; which completes the course, and commences again with No. The first course and first year, I cultiwheat or rye, and clover as in No. 1, and so on successively throughout the other fields. When ety, communicated for publication in the Ame- the common blue grass, which tends often to destroy our wheat and clover crops-for I think a No. III. good deep fallow ploughing, succeeded by a win-In order to establish a rotationary system of ter ploughing, (if practicable,) and a clean culti-

definition of grass, which he says, " is the sine qua non of live stock, the essential of dung, the presence of mind, courage, and skill of a rider, among the farmers of North Carolina, through nursery of corn, and of all farming purposes," whose name black or white, bond or free, de-I think all the good derivable from it, would be serves to be known; and the emulation "and saattached to a farm cultivated as above described; gacity of the noble horse, worthy of his name and as the land would be in a progressive state of improvement, under such cultivation .- With good management, a considerable stock of all descriptions might be maintained on such a farm-a great quantity of manure might also be expected to be made on it with proper preparation, and the requisite attention to that most necessary object.
The manure, (in my opinion) would be best apUpon thi plied to the field intended for corn and root crops, &c .- In order to make the clover fields as profitable as possible, it would be well to have in reserve a quantity of rails for the purpose of dividing the fields; as it is well known that cattle than the request of those who defend the interest thrive much better, when they are changed often, and that land generally is much improved by permitting the grass to rot on it.—A farm laid off and cultivated in the manner above described, tacles; horse races, play actors, "et id omne when in complete operation, with neat fences, genus." To this editors too often yield, and to (live if possible) barn, and out houses of all de-avoid controversy, while they admit the ribaldry scriptions, for a well improved homestead, would which offends the wiser and more virtuous part of exhibit such a sight, "as might excite the slug-gard to labour, and the most indolent to activity." The above plan is submitted with deference to those who better understand the subject, by THOMAS CRAMER.

March 1st, 1823.

TO THE EDITOR OF THE AMERICAN FARMER.

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Dear Sir,

I have been a reader of your paper from its hirst appearance, and, as far as certain circumstances and capacities permitted, have endeaagriculture. But in this, not only as it suggested and directed improvements in their labours and example?—Was it to his fellow brutes following, lution of the Board. and citizens. Hence the persuasions constantly held out to industry, sohriety, economy, and every moral virtue, and the open exhortations from idleness, dissipation, expense, and every vain and vi-cious indulgence. It is so we'll known a fact, that all the virtues are connected, and lead to one another, and all the vices in the same manner, that it has become a maxim out of dispute. To preserve this necessary to exclude every thing of a contrary tendency to these virtues, which alone ensure prosperity. As to virtue, it exists upon the bers, fill the Farmer with tales of races between is right; and conscience inevitably refers to a witness having it-that is, God; and a fear of ness which endeavours to weaken it, and how much to be avoided by those who have general communications with their countrymen and man-kind; printers of newspapers, and writings of every kind. You, with all others, as an editor, are to look at it, that nothing encouraging to dissipation, and injurious to morality, should find a place in what issues from your press. There seems a special regard to these, necessary in a paper urging the obligations of industry, frugality, and prudent management; for they are inconsistent with each other. Prosperity and peace family domestic manufactures in this state;" by on bacon so treated; but I have, before I adopted are inmates with the one, trouble and penury

rots, &c. &c. If, according to Mr. Boardley's Publication, signed Philip. He calls it "an ac-dred copies of which are to be printed at the excount of a most interesting race;" speaks of the whose name black or white, bond or free, derace, afforded the best of lessons teaching by example; and I had rather a son of mine should have had the benefit of such a sight, (whatever fanatics may say, or write against racing,) than have had a twelvemonth's schooling at most of nur "seminaries of learning," (so called in New

> and publication, that you have allowed to that writer. I speak so, because I have found by experience, editors of periodical papers, more in-clined to yield to the demands of such writers, of virtue and religion. An assuming, insolent, overbearing manner, characterises all the advocates of dissipated amusements, shows and specthe community, they decline printing the exposures and just reproofs offered for repelling the attacks they suffer.

First, observe in what pompous terms the account is given of the race, the rider and the horse. Change the case, and the terms are suited to the interests of struggling nations, the perils of patriots, and the eventful movements of mankind. How superlatively ridiculous are the terms applied to a running of two or three beasts, and how much below the dignity of rational men, is the interest expressed on the occasion.-But what is the meaning of "the emulation and sagacity of the noble horse, worthy of voured to contribute to it, upon the principle of his name and race, afforded the best of lessons, its being useful to our fellow citizens engaged in teaching by example."—To whom did the horse objects as cultivators of the earth, but as men or the noble crowd around him?—And he says, "I had rather a son of mine should have had the benefit of such a sight, than a twelvemonth's schooling."-Truly a horse must be a noble instructor to a son, and the son become worthy of the father. To complete the whole, he couples the contempt of learning with the privilege of religion; whose serious professors to a man, being contemnors of such dissipating spectacles character and object to your paper then, it was and corrupting practises as prevail upon race

conscientious obligation, within the mind, to what horses, and genealogies of colts and fillies, their sires and grandams, though better in sporting magazines, at least preserve your sheets pure him, governing our actions, is religion. As this from insults to the most sober, considerate, and is the foundation of all virtue and happiness, feeling part of the society, the moral and re-what expression is suited to the folly and mad-ligious men, who, though not ennobling horses, will be always found the best citizens, patriots,

and friends of mankind.

JAMES.

Baltimore, May 19, 1824.

----From the Western Carolinian.

AGRICULTURAL NOTICE. 1822, passed an act "to promote agriculture and packed in salt. I have not seen a single skipper the 10th section of which, a Board of Agricul this method, been sometimes very much injured with the other.

I am led to offer you these observations, from reading yesterday in the Farmer of the 14th insist the annual publication of a volume on subjects two. It is a cheap and very practicable method, stant, a letter from a horse racer, intended for of agriculture and rural economy: fifteen hun-no expense attending it, the oats are not injured,

pense of the State, and gratuitously distributed the agency of the county agricultural societies.

The Board of Agriculture, at its meeting last winter, appointed a committee for the purpose of carrying into effect this liberal act of the Legislature: the duties of that committee are prescribed in the following extract from the "Regulations" of the Board.

Article 6. The Committee of Selection and Publication, shall select from the archives of the Upon this I beg the same privilege of remark, think proper, the materials for a volume on agricultural subjects; which shall be published under the direction of said committee, according distributed, under the direction of the Board, among the good people of Nurth Carolina, by

means of the county societies.

The committee thus appointed and instructed, are desirous of entering on the discharge of the duties assigned to them. To enable them to do so, they take this method of calling on the officers of the county societies, to select from the ar-chives of their respective institutions, such original articles as they may deem worthy of exa-mination, and to transmit them to some one mem-

ber of the committee.

The committee take this occasion to remark that they will likewise gladly receive, from practical farmers and other intelligent persons, original communications on subjects connected with Agriculture, or on the physical resources of the State.

The attention of the gentlemen composing the committee of correspondence, is, in a very particular manner, called to this notice. It is desirabie that they should transmit, at as early a day as possible, the result of their correspondence and investigations-more especially on the subjects to which their labours were directed by a reso-

Committee of Selection and Publication, with their places of residence.

Charles Fisher, Salisbury; Dan'l M. Forney, Beattie's Ford, Lincoln Co. Rev. John Mushat, Statesville; James W. Clark, Turborough; Denison Olmsted, University N. C.

> ----For the American Farmer.

TO PREVENT SKIPPERS IN BACON. MR. SKINNER,

One of your correspondents, some time ago, recommended packing hams in dry oats, to pre-

vent their being injured by skippers.

In the year 1822, having plenty of coarse salt on hand, I prepared dry casks, placed the hams and shoulders on their ends, and filled the interstices with dry coarse salt, covered the tops completely with salt, and settled it well; about midsummer, I unpacked and examined the hams, replaced them again in the casks as before, and drew them out for use when required, there was not one skipper found, and the bacon was fine. Last year not having a sufficiency of salt, I packed my hams and shoulders in dry oats, in the same manner, examined them once in the sum-The Legislature of this State, at its session of mer, and found they kept equally as well as when

they can be used when you have your old hams in the fall, and I would advise a general adoption of this method. It is very little trouble to unpack them, and it may be best to examine them two or from the ashes of burnt rose bushes, the salts teemed in Louisiana on account of its texture, three times in the summer-it changes their position. When two pieces touch each other they may get mouldy, but being very particular to see mine well separated by the oats, not one would have injured if they had remained until the fall without being drawn.

TO THE EDITOR OF THE AMERICAN FARMER.

SOAP MAKING-BY THE "COLD PROCESS." Albemarle, Va. May 15, 1824.

MR. SKINNER,

It is my custom, in reading over your valuable journal, whenever I come across any article relating to domestic economy, to read it out to my wife, who, you must know, is a notable manager and great economist. In the 4th No. of the Farmer, a process of making soap, is detailed by a housekeeper, of simply mixing the ley and grease together, and placing it in the hot sun, without any boiling. When I read this account to her, which is wound up by the emphatic enquiry on your part, "can this be true?" "True! said she, certainly it is true; I have made soap in no other way for three years, and I believe every body in this neighbourhood does the like—only I do not related the three years.—One Agricultural register is beginning to see the importance of the farming interest, and is about to follow the example of some of her sister States.—One Agricultural registers are stated in the state of the take the trouble to measure the ley and grease, ricultural society is already formed, and I hope and set it in the hot sun, but I put my barrel, (a common fish barrel) in the cellar where it is intended to stand, and fill it nearly full of strong ley, then add as much grease, without melting it, as I think sufficient, stirring it once every day or two. In a few days I can tell whether I have get rid of the trouble and risk of boiling, and can make it as suits our convenience, or occasion requires. And I wish my dear, that you would different seasons."

Near Seln

Near Seln it is true. And besides, you have not written to he glad to hear that he is getting better."

I forthwith sat down, and have given you her own words, as many of which she says you are

=05 ON THE CULTURE OF ROSE BUSHES. Translated from the French.

Roses are increased by seed, buds, layers or shoots, and by graft on other rose bushes.

diversifies varieties.

buds and layers.

choicest roses.

great heat.

Dry earth causes more fragrance, and higher and stronger colours.

Moist earth larger roses, less colour, and slower

and later growth. The rose will not flourish in pots or boxes, on

account of its numerous roots. The blooming of yellow roses may be antici

pated, by pulling off the buds and leaving but a few The hundred leaved rose will not flourish in the shade.

The white double rose stifles the growth of those near it; particularly the yellow rose.

Pruning agrees generally with every species of rose, except the yellow and the musk-rose.

contained in it will wonderfully contribute to their rapid maturity, and great facility in being ginn'd growth.

0

do not recollect of a season so backward as this an Senna, the plants were raised originally in has been. It is now the middle of May, and the this state from seed found among the imported cold is so severe that it is necessary to keep up Senna. I have cultivated it more than twenty fires in our parlours, and vegetation has received fires in our parlours, and vegetation has received years, and found it a valuable domestic medicine, a very serious check by the prevalence of the having the same effect as the imported. If sown north winds. It is stated in the Salem Observer, as soon as you receive it (when I presume it will that on Friday last, the air at that place was filled be free from the dangers of frost) you will have with falling snow flakes, and that the sky exhibit-an opportunity of observing whether it will suit ed the wildness and sternness of March weather. We had letters recently from New Orleans,

Even. Post.

Editorial Correspondence.

Extract of a letter from a Correspondent, dated

in a few years, such societies will become common throughout the States.

in consequence of it, farmers will be very backward in getting their corn planted this season.

"Since our fruit trees bloomed out this Spring,

moreover, we hear that he is sick—and I should grows very tall in this climate, and has a beauti- 3 cts.—Leather, Best Sole, 24 to 27 cts.—Feainl appearance. It should be planted in checks, thers, 35 cts. as Indian Corn, and not more than three stalks TOBACCO.left in each check; and they as far apart as may be. It puts out a number of suckers from each fully maintained. port or confirm the cold frocess of making soap. stalk, which should be left, as there will in a very short time, be no difference in their appearance; and there will be no difference in their produc- 750 pounds to the hogshead, about one third of tion. It will answer, I think, very well for soil- the lot seconds. The crop portion of it was ing, as horses are very fond of it when green; what might be called better than red, inclining and it very soon takes a second and vigorous to spangled—it came in good condition to market. growth. It grows with us, ten or twelve feet The rose from the seed comes slowly; but it high, and bears frequently, several heads on one stalk. It takes very strong root, and is, even in The most usual method to multiply roses is by the Spring, difficult to eradicate without the hoe

Grafting succeeds better than budding with the hoicest roses.

Plant not rose bushes either during frosts or new land. I have never seen any mention of such an one in your paper; and there is no plough any thing like it in the Patent Office. When I have more leisure than I have at present, I will probably give you a description of it.

THE PARMES.

BALTIMORE, FRIDAY, MAY 21, 1824.

Memorandum of seeds sent to the Editor since last report, for distribution.

MILLET, of a productive kind from R. P. Bryarly, Esq. of Martinsburg, Virginia.

EARLY BLACK SEED COTTON, from H. V. Somerville, Esq. of Baltimore county; and our If rose bushes are watered with a ley made friend remarks that, "this seed is very highly esor picked."

NUBIAN SENNA, from Gen. Thomas Pinckney. The Season.—Some of our oldest inhabitants of South Carolina, with the following remarks:—
The few seeds sent herewith, are of the Nubiused, I have no doubt you will obtain sufficient of which state that similar unseasonable weather that part of the plant of good quality; and if the was prevailing there in the middle of April. be supplied with it from hence.'

ALICANT WATER-MELON AND MUSK-MELON SEED, from J. Lowell, Esq. of Roxbury, Mas-

THE O STREET

sachusetts.

Kingston, (Tenn.) 5th May, 1824.
"Tennessee is beginning to see the importance PRICES OF COUNTRY PRODUCE—carefully collected every Thursday, for the American Farmer. By ROGERS & SYMINGTON.

Flour, Howard-street, \$6—Do. Susquehannah, \$5 62½ to \$5 75—Do. Wharf, \$5 62½—Do. Rye, \$2 25 to \$3—Corn Meal, pr. bbl. \$2—Wheat, on throughout the states.

"We have had an unusual rainy Spring, and consequence of it, farmers will be very backard in getting their corn planted this season.

Rye, per bushel, 45 cents.—Oats, 25 to 31 cts. -B. E. Peas, 56 cents .- White Beans, S1or two. In a few days I can tell whether I have put too much or too little grease, and add ley or grease as the case may require. In two or three weeks it becomes excellent soap. We call it the cold process. In this way we make better soap, get rid of the trouble and risk of boiling, and can get rid described by the fact, what can be the cause that the same of the trouble and risk of boiling and can get rid of the trouble and risk of boiling. degree of cold, does not have the same effect in Linseed Oil, 62 cts. in demand-Clover Seed, \$3 lifferent seasons."

Aear Selma, (Alab.) 2d April, 1824.

DEAR SIR,

I now send you by Col. McLaughlin, a head of loss.—Tork, Mess, \$14 75—Do. Prime, \$11 75—Tork, Mess, \$14 75—Do. Prime, \$15 75—Do. Prime, \$ attentive in sending you valuable seeds—and a species of guinea corn, or perhaps millet, which Butter, 7 cts. to 14 cts.—Lard, 8½ cts.—Bacon,

TOBACCO.—Sales of this article have been rather brisker, and the last quotations have been

59 hogsheads, a part of the crop of R. W. Bowie, Esq. sold for \$5 50 and \$8 50. It averaged about

Errata in the Communication of L. H. Girardin, published in last number of the Farmer. For Linneas, read Linneus—P. mittaceum, read P. miliaceum—H. Saccharetus, read H. Succharatus—H. Beis-

tar, read H. Bicolor-melicaglabra, read melica glabra.

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On the use of Gypsum-Communication to the Editor, on the Peach Tree—Culture of the Peach Tree; published by order of the Agricultural Society of Fayette County— On the Haws or Hoaks, and the Lampas in horses, and the Hollow Horn in neat cattle - General rules for the restora tion and preservation of health—Papers read at the last meeting of the Agricultural Society of the Valley, No. 111.—Communication to the Editor on Horse Racing—Agricultural Notice—To prevent skippers in Bacon—Soap making, by the Cold process—On the Culture of Rose Bushes—The Season—Extracts from the Editor's Correspondence, dated Kingston, (Ten.), and near Selma, (Alab.)—Memorandum of seeds sent to the Editor since last publication— Prices Current, &c. &c.

AGRICULTURE.

PROCEEDINGS OF THE WASHINGTON AGRICULTU-RAL SOCIETY OF EAST TENNESSEE.

According to the provision of the constitution, the society met on Monday 12th April, 1824, when the business of the society was opened with an address from the president. Subsequently inmost approved model of a plough for the use of the members. The second on the propriety of procuring from approved sources, some seeds of rican Farmer, edited by J. S. Skinner in Baltimore, for the immediate use of the society.

lutions were adopted.

can Economist.

use of the members.

Address to the Washington Agricultural Society

Gentlemen of the Agricultural Society,

upon the objects for which the society has been our society, in East Tennessee. But as he goes instituted; and as it becomes the duty of the presiding member, to call the attention of the society to subjects proper for its consideration—I artificially watered, supplied more or less of hay; shall endeavour to proceed directly to the dis-but where these resources were water for the society and practical experiments, to apply more satisfactorily to the soil and climate they inhabit. If agricultural societies are desirable from the prospects they shall endeavour to proceed directly to the dis-but where these resources were water for the growth of the soil and provided the prospects they are not less on its provided that the proceed of this days without detailing two the soil and religious the soil by the improved progress of agriculture: and if usefulness, after several years of active exertions, in all countries, it has not kept pace with this, it was suffered from want of public spirit in the intelligent and enlightened mind in contemisto be ascribed chiefly to the political condition country to fall into a deep sleep—from which plating the exquisite productions of nature, the of some, hostile in their character to freedom and however it revived, with renovated vigour in beauty and harmony of creation, must unavoida-rational improvement. If the great advantage of 1804: and under the auspices of the patriotic bly hold communion with God the creator, and agriculture generally is admitted, its improve-Judge Peters-whom I delight to honour for it-learn to revere his holy religion. ment in this section of country will doubtless be has attained a degree of splendid usefulness, therefore, regards his own and the happiness of hailed with much interest by the whole commus-scarcely exceeded, if really equalled in Europe his offspring here or hereafter—can he better or nity. It is for the purpose of improving the con- or America. In so much that we have the authormore profitably direct his and their pursuits, than dition of this important art, and advancing in a rity of the chief justice of Pennsylvania for station qualifying both to be useful and distinguished correspondent degree our interests, that this aging, that, so great were the effects of the means in agriculture? Delightful speculations upon the ricultural society has been instituted; and if it is pursued; that, the price of lands (as was proved multiplied sources of interest and happiness derivreally susceptible of promoting these desirable in a trial before him at West Chester) was dou-ends, it is necessary that our members, and bled in a few years in Chester county—nor is through them, the rest of the community, should there any reason to suppose, he adds, that the ef-but too be spun out to a much greater extent. But through them, the rest of the community, should there any reason to approse, the addy impressed with so interesting a truth, fect of these means, was less elsewhere.

In further confirmation of the great advantages duct us right onto the useful and practical, avoidate to be supercrogation to attempt to prove, by argument or illustration, a proposition so self-ral Society at Pitsfield, Massachusetts; other soloit to more prominent advantages likely to received from the impressed with so interesting a truth, fect of these means, was less elsewhere.

In further confirmation of the great advantages duct us right onto the useful and practical, avoiding whatever is merely speculative or unprofitable; our attention may be better directed to some of the more prominent advantages likely to received from the impressed with so interesting a truth, fect of these means, was less elsewhere.

In further confirmation of the great advantages duct us right onto the useful and practical, avoiding whatever is merely speculative or unprofitable; our attention may be better directed to some of the more prominent advantages likely to receive of the more prominent advantages likely to als for the improvement of agricultural practices, ginia, &c. and their useful results: but all who communities from an improved state of agriculmay reasonably be expected to be attended with remain uninfluenced by the evidences already eliture among us. For several years past, knox-

reflect upon the remarkable indifference, if not being convinced, are not already roused to a spirit disinclination, in more enlightened parts of our of emulation by such profitable and commendable country, to encourage and support agricultural examples, it were needless to attempt to stimula e societies; together with the former apparent further. But to render the efforts of the society apathy and long neglect of the subject, in our actually profitable to the members and the com-

teresting communications were read from David A. Deaderick, Oliver B. Ross and Nathaniel Kelhere, with any thing like practical precision, we sy. The first on the importance of procuring the must look to other countries and other places, draw them to a focus. Our constitution requires for what similar ones have done there. And here from each member, but one dollar annually: and I might with great propriety point your attention if in the two counties from which our society is first, to the incalculable advantages that have chiefly formed, but one half that ought, are invaluable plants, &c. not yet cultivated among us, been derived to Europe, and particularly the do-duced to join, and will promptly contribute their The third proposing several highly useful and minious of Great Britain, from associations simi-mite, we shall soon be in funds, sufficient for many interesting experiments—all which were referred. lar to the one, for which I would now interest in useful purposes. The munificence of members, Amongst other resolutions passed, it was resolved an especial manner, in its infancy, your sympathet the corresponding secretary, be authorised this and support. But as I have an habitual obtion, and although to accommodate the ability, to purchase the five bound volumes of the Ame-jection to going abroad for any thing, that can be and invite as it were the adhesion, of the most obtained at home, with equal, or nearly equal moderate in circumstances, so small a sum has more, for the immediate use of the society.

After the President had retired, the Vice-President took the chair, when the following resolution as affording all the evidences requisite to treasury of the society. And there is this manitions were adopted.

satisfy the most sceptical judgment in the case, fest inducement to contributions to an agricultu
Resolved unanimously, that the president of The first society for promoting agricultural imral society over all others, that it is in effect, only the society be requested to furnish a copy of the provements that we have any satisfactory account taking out of one pocket a small amount, to be excellent address, this day delivered by him, for of in the United States, was established at Phila-conveyed with accumulated interest into the other, publication in the American Farmer and Ameridelphia in the year 1785. Speaking of the state and this always under our own inspection. of agriculture at that time in Pennsylvania, one 2. Resolved unanimously, that five hundred of the most useful and distinguished advocates of copies of the address be published in the pamph-agricultural societies every where, remarks;—let form—out of the funds of the society—for the "The system generally pursued here at that time, diffused its stores throughout our district, as well was bad in the extreme. It consisted in a series as from other sources; we cannot lack the necesor exhausting grain crops, with scarcely any in-sary materials for agricultural science, and our terruption for several years; after which, the society already embraces amongst its members, of East Tennessee—delivered at their first stated and was abandoned to weeds and natural grass, may individuals, eminently calculated to impart and was abandoned to weeds and natural grass, may individuals, eminently calculated to impart usefulness and derive honour from so propitious under the Society.

WATKINS, M. D. President of the Society.

Society.

The Manning of the Manning of the Interest and the society and was abandoned to weeds and natural grass, and the individuals, eminently calculated to impart usefulness and derive honour from so propitious an institution. If they have not already done so the society areas and the society and the society and the society and the society areas and the society. According to the provisious of the constitution, ally think, gentlemen, that he was speaking of to other knowledge, with what is readily attainour members are met for the first time, to enter Washington and Carter counties, the sphere of able from good practical authors on agriculture, charge of this duty, without detaining you to purchase of winter fodder was made from the ces; they are not less so in a moral and religious make, with real or affected modesty, unavailing hard earnings and savings in other products; or point of view. If idleness is the root of all evil, remarks upon my conscious insufficiency to disthe poor animals fed on straw, and the scanty employment is the source of all good; it is virtue
charge as I ought, or would wish, the part assigned to me by your kind partiality. The imporwhich we can make upon an improved and unimpropriate. Agricultural labour imparts vigour to
the commentary therefore and happiness, when its objects are apwhich we can make upon an improved and unimpropriate. Agricultural labour imparts vigour to
the body, and if directed by science, invigorates,
society is too well established to require much dream but true with the page and labour imparts vigorates,
society is too well established to require much dream but true with the page and labour imparts vigorates,
society is too well established. society, is too well established, to require much dreary but true picture, with the present land of improves, and happily employs too the mental faillustration; it is even conceded that, civilization Eden in Pennsylvania. But this first agricultural culty; and by abstracting from frivolous and viitself has been much advanced in most countries society, which laid the foundation of so much cious contemplation and practices, advances the

more success than individual efforts, but when we cited; it would be a hopeless task to convince, or more immediate vicinity—the propriety of such a course becomes manifest.

munity at large, adequate means are required.

These consist in money and intelligence—Wash-To enable us to form a correct estimate of the ington and Carter counties I am persuaded are

> From that valuable source of intelligence, the Whoever,

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west and southwest of us, have afforded a ready thren; but we may without injustice or impro-ties? market for all our flour, rarely less than six, and priety, set forth the advantages of our nwn; and sometimes as high as ten and even twelve dollars a barrel. What a fine chance if we had been prepared for it. But such has been the bad state of habits, &c. they are certainly worthy of the parour agriculture that, during this favourable time ticular attention of many of our atlantic, or at least one view before the society-from any member of for drawing the means from abroad, of relieving cismontain atlantic fellow citizens. There is bethe community or other sources; whatever may our embarrasments or improving our resources tween the soils, climates and water, as well as at home; our farmers have scarcely afforded a habits of the people living along the limestone it more generally, improved by your own expesufficiency of good merchantable wheat for our vallies of Pennsylvania, Maryland, and Virginia, rience and enlightened touches. The interest own consumption. During this same period too, and all the country of East Tennessee, a remarkwe have had the mortification to see the more enterprising Kentuckians, whom we should wish to emulate in every thing but their new ways to pay old debts,—carrying through every section of our country, hogs, horses, cattle, mules, and articles of domestic manufacture. &c. &c. to Vir. Maryland. And can any portion of our favoured sentences to the subject intended, more particularly to be embraced by it. South Carolina and Georgia, and many parts of Under this view, amongst the objects to be preginia, North and South Carolina, and Georgia, Union be remarked, for enjoying more robust and other parts, several hundred miles nearer to health, than our whole country of East Tennesus, and returning with "good" money to reward see, from, and including the equally favoured villand means to be made so? If our land is already mium, upon an exchange for their own—which that it is far from the disposition of those, whom in the best condition for ample production, nothing answers their necessary purposes at home.— I have now the honour to address; as I hope it is of obtaining the greatest interest, without exWhence this contrast in their and our proceedfrom my own principles, to throw out any unwarhausting the substance of our capital—and work ings? has providence done every thing to encourage them to activity and energy, while nothing emigrants in their chosen course to other climes; away. But if our land is not in a condition for remains to rouse us from torpor and supineness? If they have fertile soils—so have we. If they have climate, and health, and resources to convert my native, the other long my adopted home; still exhausted it of its fertility if originally good, or these to productive purposes—so have we: and if claim the reversion of my best affections: and not improved it if otherwise. If we have not althey have horse and artificial power, to move after many a melancholy retrospect, my imagi- ready cleared our land, it is worthy of attention their mills, machines, and various works; we nation has yet too often to be recalled from the to consider well and learn the best means of doing have in addition the most numerous and admira-alienated lands of my fathers. Could I under this, with respect to the saving of timber, and these circumstances, honestly hold out delusive the just claims of posterity and our own future works. And this more favoured section abounds inducements to others, to entice them from the with the best ores for implements of husbandry; abodes of their nativity? But to all whom these data it works to be the control of the prospects, as well as present interest and convenience. My limits will not admit here, of any and an inexhaustible excess for exportation. The no longer afford the indispensible blessings of whote face of our country too, from Abingdon in health, peace and competence, our cheap, fertile, ly our plans in first opening, and making improve-Virginia, to southwest point—from the Cumber- and salubrious soils, and climate, offer fair prosland mountains in Kentucky, to the confines of pects, hitherto, too inconsiderately perhaps, post-Georgia, and the Indian nations; abounds with poned for others less congenial to the constituconvenient navigable streams, inviting to exportation; and with a moderate exertion of public ing from choice or necessity, the sections of counspirit, susceptible of extraordinary improvement. Then what remains to our interest but to be up and a doing? instead of improving these resources however, we are daily diminishing the productiveness of our lands! In the year 1812, just before I left my Caveland estate among you in Jefferson county-to obey the call of my country then involved in war-I raised on a forty acre field, fortyeight bushels and three pecks of corn to the acre; the average crop, as I find noted on my agricultural journal of that year. Last year, upon my return among you, the same field was particularly well tended, and the season throughout was remarkably favourable for corn-but it vielded now of this same grain, a fraction less than twenty hushels per acre. The old manager and management are dismissed; and if the present one engaged there, can be induced to remain so long, or my health and other circumstances will admit of my own occasional attendance there; I do not despair of being able to report the renovation of that same soil, to the point of producing more than forty bushels to the acre, within four or five years; with an annual yield in the mean timemore than compensating for the expense of liming, clover, and plaster, &c. The more enterprising and active inhabitants of Alabama, Mississippi, West Tennessee, Kentucky, Missouri, and Ohio, &c. besides pushing their exertions ahead of us, for agricultural productions and improvement, have had the address, to bring into high reputation amongst the residents of all our various atlantic regions; the superior advantages of their different soils and climates, and induce their emigration amongst them. We would not choose illiberally to disparage the rich advantages us, the residence of good monied or experienced of the mud—the diligence, accuracy, and skill, of

I have now the honour to address; as I hope it is remains, but to satisfy ourselves of the true means rantable enticements to arrest the progress of hausting the substance of our capital—and work or induce them incautiously to abandon their na-tive habitations. Maryland and Virginia, the one vet taken it out of the hands of nature, or have poned for others less congenial to the constitutions, or propitious to the hopes of those abandontry more particularly pointed out to you. Corn, wheat, rye, oats, barley-all the grains and grasses-all that appertains to the support and prosperity of the true farmer, strictly so called; abundantly flourish and insure a comfortable subsistence, and a happy independence here.

The overflowing population of our atlantic cities, the paupers that burthen and disgrace their streets; all the unemployed who, sighing want, and wanting sigh-what a little exertion in such a situation, without burthening any, would command them the comforts of life—the sweets, and we may add the virtues of independence. Then why so little known, have the advantages of this ourselves, gentlemen, and not in our country. The beneficent hand of God has left no resource uncultivated wilds and caney thickets, wrested from the fierce savage, within the recollection of many of you, still comparatively young men - en hulks, less width at the base, will be required. These things do certainly admonish us that, if it forced off, to swell the speculative price of others' water, to few points. lands; sooner than roused to enhance the value of

ville, Huntsville, in Alabama, and other places of the soils and climates of our neighbouring bre- practical farmers; from the more improved socie-

Gentlemen of the Committee of Correspondence, The constitution of our society, imposes upon you, and importance of this department of our institution is so obvious, that I shall be pardoned-per-

1. The land we live on. Is it in a condition for the best agricultural purposes? if not, how is it ments upon our land:-and to point out the best modes of restoring and improving its fertility, when previously wasted, or not originally goodwill be the future business of this society. (To be concluded in our next.)

0 ON RECLAIMED MARSH-MEADOWS.

The following are the answers of the Corresponding Secretary of the Agricultural Society of Pennsylvania, to enquiries submitted to him by the President of the Maryland Agricultural Society.

With the management of meadow, I am made familiar, by having had nearly a thousand acres of reclaimed marsh, under my control for some years - To your inquiries I reply:

1. " The height of the bank above the surface of the marsh, its width at the base, and at the top," are accommodated, to the force of the curcountry been so long passed over. The fault is in rent, the peculiarities of position, affected sometimes by an increase of alluvion on the opposite shore, the interposition of an island, the deposite for our pride in such an apology for our improvi-dent remissness. But it is not too late. The sedge fields, land galls, and gullies already among is an essential item for consideration. If the bank us, form it is true an admonishing contrast; to the be faced with stone, at the points of most expcsure, or be defended by planks, or be protected by such expedients, as small wharves, or sunk-

2. "The number and size of the sluices," deis not too late, the time has arrived, when we; pend upon local circumstances—the comparative instead of inviting emigration amongst us, must height of the circumjacent land-the intervenbegin to improve, or emigrate ourselves. But, can tion of small streams, or natural water courses, there be a soul so torpid here, that would be which carry in certain cases, large portions of the

3. The condition of the marsh, the time which his own and neighbours; by making it more pro- must have elapsed before an esculent can be banks, the defects in the position of the sluiceswhich experience only can correct, generally de-

feat the early expectations of profit.

taken from some of the highest marsh meadow not far from Philadelphia. The heavy fogs produced mildew, and the superabundant strength of sent to your readers. soil caused the crops to run into straw, and to fall. The surface I am told, was six feet, "above the level of low water mark." I am satisfied, that marsh, with which I am acquainted.

abundant crops of indian corn, upon marsh, of

above low water mark.

6. Such meadow, in the improved parts of this duction of grass. For this purpose, it produces All taxes, excepting the bank tax, and all expencrop, upon this land, but with the view, of re-

I conceive, only for the uses of turf, or road when the enects of their ravages usually organized excessive characters or the characters or their ravages usually organized excessive characters or th consider it, ill fitted for pasturage, as it shoots been once cut, than any artificial grass we pos-

succeeded, by white clover, and green grass, 8. "Oats" have never been tried I believe, ex-

been formed.

upon very old well reclaimed marsh.

I am with great esteem, most truly vour's JOHN HARE POWEL.

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TO THE EDITOR OF THE AMERICAN FARMER.

AGRICULTURAL REPORT FROM THE COUN-TIES THEREIN MENTIONED, IN VIRGINIA.

Bonbrook, Cumberland, Co. Va. May 14. DEAR SIR,

three years would be required, for the tolerable and subsequent, which were received during my melioration of the soil, since the leakage of the absence. In that of the 9th, I observe the ex pression of your wish to be furnished with inforthe mistakes in the direction of the lesser drains, mation respecting "the effects of the season, and the prospect of the various crops, &c." Havin, been, myself, so often gratified and instructed by 4. I have never seen a "good crop of wheat the contributions of others, to your valuable jour-growing upon any reclaimed marsh." There is nat, I feel myself under some obligation to meet no question that bad crops of wheat, have been your wishes by the offer of the mite of materials. which my late excursion enabled me to collect. towards the report which you are desirous to pre

a good crop of wheat, cannot be made upon any by Winchester, in Frederick county, gave me a very extensive and injurious. Great preparation passing view of a portion of the country stretching had been made in this part of the state, for an 5. I have seen luxuriant crops of rye, and castward from the S. W. mountains, of that be-abundant supply of plants, in order to insure an tween the latter and the Blue Ridge, and of the early pitching of the crop, much having been lost which, the surface is about four feet, and a half, great Valley of Shenandoah. I found appearan ces, throughout, more favourable than report had led me to expect. The coolness and wetness of interruption of the work of preparing for the state, is applied almost exclusively, to the pro- the autumnal season, followed by a winter almost without snow, yet, except the month of January, from eight to nine dollars per acre, upon a lease more excessively wet than any I remember, greatof the strictest kind, prohibiting the removal of hay, and admission of horses. Some portions of it, which are within three miles of Philadelphia, ward and slow; all conspiring to give but an uncouragement in our prospects for the year. produce from ten, to twelve dollars per annum. favourable prospect of the ensuing harvest .-I remarked, nevertheless, that less than usual of cursion, in observing the revived and flourishing ses, attending the repair of the ditches, are paid the grain had been winter-killed-particularly, state of the crops of clover. You are aware, by the tenants. No man cultivates a farinaceous on this side of the Blue-Ridge. On the western that, for several years last past, its growth has crop, upon this land, but with the view, of reside, the injury, by the successive freezings and been comparatively feeble, and that great and ducing the inequalities of its surface, or destroying thawings of the winter, had been greater, and the discouraging difficulties have been encountered in noxious pests, ransted, thistles, elders, and other comparative appearance of the crops, in general, attempts to propagate it. So much so, indeed, weeds with which it may be infested. Its fertility, less promising. A sojourner, however, of eight as to impress a general belief that the land had appears to be almost inexhaustible. I have known or ten days, in Berkley, during the latter part of become clover-sick. In this quarter, where the repeated crops of maize, taken in succession. One April and the first week of this month, furnished clover culture has been but few years introduced acre of the best marsh, will make heavy with fat, me with opportunity to observe a very obvious into our husbandry, the same difficulties have six hundred pounds of beef, which shall have been change for the better, in the progressive and vibeen realized, in the same years; while the last put upon it, wretchedly poor, early in May, and be removed as early in November.

gorous advances of vegetation; and, to remark, and the present seasons have proved peculiarly on my return, through the counties of Culpepper, propitious. No greater success attended our efbe removed as early in November.

7. "Herds grass, or red top," is not allowed to grow upon well drained marshes. It will flourish, where no other grass that I have seen, can live, indeed, or as much of them, at least, as falls with-lit is much used upon the ill drained meadows of in view from the road, I have rarely seen more in the latter than in the former. Do not these Jersey. I have heard it asserted, and believe, flattering indications of a good harvest; especial-facts render it probable that a good deal of what that it may be sown with so much effect, upon ly, where an improved system of husbandry has has been ascribed to clover-sickness in the soil, is very wet meadows, free from rushes, that a wag-been adopted. I heard, indeed, some complaint of measurably, at least, attributable to the peculiar gon may at the end of four years, pass, where an ox, with difficulty at the commencement of the probably, not without cause, though I saw but term, could have moved. "Timothy" is valuable little appearance of it. It was about the period when the effects of their ravages usually begin excessive exactions of crops. Having filled my

The James River lands, so far as I have seen, less vigorously, and less frequently, after having promise an abundant crop. In this county, (south of that river) as far, however, as I have had opsess: and they condemn it as affording hay less portunity to observe since my return, the wheat nutritious, than all, except herds grass. It is sour only winter crop, though rather more sown upon marsh, allowed to go out, and to be backward than usual, promises not unfavourably succeeded, by white clover, and green grass, should it be able to withstand the fly, which we sunshine "are much wanted."

With us it is just the reverse—the weather consolvent tinues to be cloudy and wet. Dry weather and should it be able to withstand the fly, which we sunshine "are much wanted."

J. P. W. find to be already very numerous; and the chinchcept as a protecting crop, for timothy; when they bug, which, from the great numbers in which it were depastured, or cut before the grain had attacked our corn during last season, we have lished per annum in Great Britain, on 600 of 9. "Potatoes" have been successfully grown, as the principal part of the wheat grown in this on 100 a trifling gain, and only on 100 any consi country, is sown upon corn land.

which is the principal staple of this and the adnot more than 50 survive 7 years, and scarcely 10 joining counties, are much more gloomy. The are thought of 20 years. Of the 50,500 books winter has been very wet, I believe, throughout published in the 17th century, not 50 are now in joining counties, are much more gloomy. The the state, and particularly eastward of the moun-estimation, and of the 30,000 published in the tains: but on the south side of James River, the 18th century, not more than 300 are considered rains, if they have not been more frequent, have worth reprinting, and not more than 500 are certainly been heavier than to the northward of sought after in 1823. Since the first writings, Having recently returned from a visit to the county of Berkley, in this state, I have but just more frequently swelled out into the low grounds, sustained the devouring influence of time.

him by whom it has been managed. I should say perused the Nos. of the Farmer of April 9th, than I have ever known before in a whole season. On the 27th and 28th of last month, they were raised higher, I am told, (for I was then absent) than they have been for perhaps fifty years. Of course all the plant beds upon the low grounds, (and most of them, in this section of the state are made there), were flooded and much injured. and many of them entirely destroyed. Even those in elevated situations, have been so long and so constantly saturated either with rain, or the water oozing from the lands adjacent, as to be in many cases little better off. The plant-flies, too, to help on with the work of destruction, have at-My route having led me by Cartersville, on tacked the young plants in vast numbers, and fa-James River, by Orange and Culpepper Court voured as they have been, by a continued spell of Houses, by Chester's gap, in the Blue Ridge, and wet and cloudy weather, their ravages have been last year by frost; but, with present prospects a great scarcity is inevitable. Add, to all this, the summer crops, and the impossibility of doing any thing with low grounds naturally very meist, which has so far, in many instances, prevented

I was much gratified throughout my late ex-

P. S. May 19th.-I see by the Farmer of the 14th inst. which I have just received, that rain begins to be wanted in the region of Baltimore.

=0= FATE OF BOOKS .- There are 1000 books pubmuch reason to dread; the more especially, too, which there is a commercial loss, on 200 no gain, derable profit-700 are forgotten within the year, Our prospects in regard to the crop of tobacco, other 100 in two years, other 150 in three yea sit. Our lands have been literally drenched with 1400 years before Christ, i. e. in 32 centuries, PAPERS

Read at the last meeting of the Agricultural Society of the Valley, and by order of said society, communicated for publication in the American Farmer.

No. IV.

Answers to questions (proposed by the society to its different members), by Major S. Mason, best land. of Frederick County, Virginia.

Q. How long have you used plaster?

A. I commenced the use of plaster in the fall order to escape the ravages of the Hessian Fly? on that head? or autumn of 1815, with a few bushels, which I A. I have never sowed any wheat earlier than A. I always strewed on the poorest part of a fallow field and harrowed in, with the seed wheat, and am confident that the crop was doubled by it.

Q. In what state was your ground, when you

began to use it?

- A. My land was generally poor, with the exception of a few acres of manured land, and some much seed is necessary to the acre? bottom.
- Q. What quantity per acre have you generally used?
- A. I have generally used about a bushel to the acre, but on clover, frequently not more than half paration, with a view to avoid the effects of smut it has had. a bushel, and have seen but little difference, if any, in wheat. on the clover between the use of a bushel and half a bushel.

Q. What soils are most proper for that manure? never used plaster, without visible, indeed great was sowed about the 25th September, and I could benefit, either on corn, wheat, or clover. The not find a smutty head next year in the field; on other half of my farm, is limestone land, with a the 9th of October, I sowed some of the smutty certainly be better to let it remain there a few as much as on the other.

what effect?

annually, and as yet with good effect, but have benefitted the wheat most, when I harrowed it tion against smut. in with the seed, and think also that clover sown on uch land succeeds best with me.

Q. In consequence, do you find, that it renders the earth sterile, after its effects are gone?

A. This question is answered by the preced ing answer.

Q. To what products, can it be best appliedgrain, and what kinds; grasses, and what kinds?

A. I have used plaster generally with good ef- by the fly fect on my wheat and oats, and also by rolling or sprinkling my corn, but think it is used most profitably on clover, though as yet I have continued fallow land? its general use, and believe my land is nearly doubled in fertility by it.

Q. What is the best time to scatter it?

A. I prefer strewing it, on clover, in the early part of April, and to harrow it in with the wheat when seeded.

Q. What is the greatest produce of grass per

acre you have known, by means of plaster?

A. To this question, I cannot answer positivetons from land, which, without plaster, would or beds of six or eight feet wide. not have produced more than half a ton, if that. Q. What do you consider, has be

Q. Have you ever used it, with other manure. and what; and are the effects if any, superior to per acre?

the plaster alone?

crops, but how far success was attributable to the plaster I cannot say, but have no doubt it aids the manure.

Q. Its duration?

was not worth cutting, though it was evidently the fly

QUESTIONS ON WHEAT.

A. I have never sowed any wheat earlier than 20th of September but once, and then from 22 or lieving the wheat will be as good and better if best with what I sow from the 25th September in, than if it was left on the top of the land to the 8th or 10th of October.

Q. What is the best mode of sowing it, and how tive for wheat

A. I sow broad cast and not more than one bushel to the acre-I do not think the drill system the valley affords any better wheat land than the profitable on a large scale of farming.

Q. What is the best and most successful pre-

A. I have used no preparation to avoid smut, believing it was either contagious or an heredita-ly. ry disease-upon discovering a few smut grains larly free from blue grass, on which clover is A. About one half of my farm, is what is generally called mixed lands, being slaty on the surface and limestone under it, and some parts of it but I afterwards found it necessary to sow some I have suffered no clover to remain more than shewing limestone appermost; on this land I have of the smutty wheat, on the same field, which two years and a half-ploughing it up, after sowsmall appearance of flint, in two or three places; wheat in another field, and the produce was con-I have certainly profitted by the use of plaster on siderably injured by smut. Some of the same orchard grass is the best to mix with clover; it this also, though not half, perhaps not a fourth wheat, mixed with clean seed, was sowed the 19 in ripens at the same time and I think helps to keep of October, the crop was ruined with smut-from up the clover. My method of saving clover hay Q. Have you repeated the application with or these observations and the observations of my depends much upon the weather; if fine, I frewithout ploughing; at what intervals, or with neighbour, R. Funston's crop, for two or three A. I have continued the application of plaster being entirely ruined, I am decidedly of opinion row, and in an hour or two haul and stack it; this that early seeding, is the only necessary precau-

Q. What is considered the most fertilizing step, to hasten and strengthen the growth of wheat?

A. To this I can give no particular answer.

Q. Is pasturing the wheat by sheep in the fall. considered as advantageous in destroying or lessening the destructive effects of the hessian fly?

A. I believe that pasturing wheat is not beneficial but injurious, leaving it more liable to injury

Q. Which do you consider the most productive T. CRAMER, Secretary way of raising wheat-on clover lay, or clear

for a crop if broken up in good time, i.e. in August, though I have made more wheat to the acre after corn than on other land.

in wheat, and which do you consider the best practice coeval with mankind.

mode?

A. I prefer putting in wheat with the harrow on ly, but think I have mowed a ton and half or two ploughed in, or if harrowed, thrown into ridges

product of your wheat crop for five years past,

year, or every other year at furthest, on the counted frequently above ninety grains in a head! same land, but I remember to have been in a and once as many as one hundred and two; my neighbour's field during the late war, when he present crop is mostly of Frederick wheat, a new pointed out parts of a clover field, which had kind, produced by sowing two kinds together; I been planted three years before—the crops on that think it very valuable, being forwarder than the part was green and fine, the balance of the field golden chaff—I believe all wheat equally liable to

Q. In what way do you apply your manure on your wheat land; before or after sowing; and Q. What is the best time for sowing wheat in what observation of its effects, have you made,

23 acres, sowed between the 10th and 20th of the manure is not fine, and am sure the land is September, I made only 30 bushels; I succeed left in a better state when the manure is ploughed

Q. What kind of soil do you find most produc-

A. My mixed land produces twice as much wheat as the limestone land; indeed I doubt, if mixed land of this neighbourhood, under the same system, or rather the hard drawing which

QUESTIONS ON CLOVER.

The questions on clover, I will answer general-That the land should be clear and particuyears and neither mow or pasture it. I think the quently let it lie in swath till the second or third rears, his wheat sowed after the 15th of October day, then throw these swaths together in wind gives the least trouble, and the hay is equally good. If the weather is unsettled, I rake it into small piles, as fast as it is cut, increasing their size, by doubling as they dry, till it is ready to stack.

I have now answered your questions as well as my short experience in farming will permit, and fearing that this may be tiresome, will defer the report of my farm till another time.

I am with respect, your's, &c. SETH MASON.

of the Agricultural Soc. of the Valley.

A. I consider a clover lay, as the most certain GENERAL RULES FOR THE RESTORATION OF HEALTH.

ON BATHING.

Bathing is the act of immersing the body, or Q. Do you use the plough or harrow in putting part of it, into water, or any other fluid, and is a

The ancient Greeks, Romans, and Germans, as well as the Persians, Turks, and especially the all clear land, but wet or plashy land should be modern Egyptians, e joy the comforts and luxuries procured by bathing, in a degree of which we can scarcely form an adequate conception. Q. What do you consider, has been the average From M. Savary's "Letters on Egypt," it appears, that bathing is employed by those veluptuaries, not only for procuring the most delight-A. To this I cannot give a positive answer, ful sensations, and removing that irksomeness A. I have strewed plaster on land, which had but think my own farm has not produced less and apathy which is the general concomitant of been previously manured, and raised very fine than 15 bushels per acre, including the last year, an idle or sensual life, but likewise with a view to Q. What kind of wheat, do you generally cul- prevent or cure rheumatisms, catarrhs, or such tivate, and which is considered the most product cutaneous diseases as their climate produces, by tive and the least liable to injury by smut or fly ? an atmosphere loaded with humid and impure A. I have sowed a white wheat, which I call exhalations, and highly unfavourable to insensi-A. To this question, my own farm won't en-able me to answer, having used plaster every by the fly, I consider it very productive, having who are less troubled with asthmatic complaints

than the Egyptians; and few nations so passion ately fond of bathing.

Though the ancients could less dispense with the use of the bath, on account of the frequency

from the 33d to the 56th degree of Farenheit's bites of animals, and obstinate agues, by going in the thermometer. The general properties of the previously to the return of the fit, and after all because it transmits the water quickly over the cold bath consist in its power of contracting the the evacuations of the body have been properly whole body; and, consequently, is more consistanimal fibres, while it dissipates the caloric (or attended to; and lastly, that the Sea-water Bath ont with the rules before-mentioned. matter of heat) that exists between their inter- has been of eminent service in dropsies and destices, and thus effects a greater approximation fective hearing; in which last case, he knew a the cold bath, unless it be in a river; in which of the particles, which were before dilated and deaf person, who could hear perfectly well on case the afternoon, or from one to two hours berelaxed by heat. That such is the natural influthe day he bathed in the sea. ence of cold, cannot be doubted; and hence this species of bath, by its powerful action on the ed, that this excellent remedy, whether by fresh whole system, is one of the most important or salt-water, cannot be implicitly relied upon in fere with digestion; on the whole one hour after medicinal remedies presented by the hand, and, as it were, supplied by the very bosom of Na- any good effects, unless our conduct in general, hours after dinner, are the best periods of the

Even in the most remote times, cold bathing was resorted to with obvious are antage, by nervous the water when the body is cool, and that persons not remain inactive, but apply brisk general fricand debilitated persons; but in the dark or midheated by exercise and beginning to perspire,
lion, and move his arms and legs, to promote the
dle ages, this genuine source of health was totally neglected, till the good sense of Europeans by plunging into it in this state, an alarming and tremities. It would, therefore, be extremely

all internal corroborants, consists chiefly in its Liverpool, in his valuabe "Treatise on the effects the most injurious effects, immediate salutary action on the solids, without of Hater in Fevers," says with equal truth and Immediately after the the intervention of the organs of digestion and precision, that "in the carliest stages of exercise, it will be necessary for him, with the assistance nutrition; without having to perform a passage before profuse perspiration has dissipated the heat, of another person for dispatch, to wipe and dry its efficacy. For this obvious reason, it is peculis more safe, according to my experience, than not afterwards sit inactive, or enter a carriage, liarly adapted to those constitutions which, though the cold bath. This is so true, that I have, for unless warmly clothed and wearing flannel next flatulency, and consequent indigestion.

I. To a general enumeration of those cases in which it cannot be resorted to with advantage and safety.

II. To lay down the necessary rules and directions for this heroic remedy.

With respect to the former, we must be concise, and shall chiefly point out, by negative pro positions, those particular states of the body, in to no exception, that moderate exercise ought cellence of the former: because those intermely, 1. In a full habit of body, or what is called re-action of all the vessels and muscles, on en-general plethora, on account of the frequent fe tering the water; for neither previous rest, nor in a degree similar to those brought into actual In hemorrhages or fluxes of blood, open wounds occasion. or ulcers, and every kind of inflammation, whethted, or tainted with a peculiar acrimony, which rature of the air, so that in summer they can en tendency of the whole body. 6 In gouty and persons with more violence than on the young quination of blood to the head and breast is efrheumatic paroxysms; though Sir John Floyer and corpulent: hence the former, even in the extually obviated 3. As the water descends in asserts, that "Podagries sometimes have kept hottest days of summer, can seldem with safety single drops, it is more stimulating and pleasant

humours by the pores (yet the celebrated physi-tain its impressions for double that time. cian just mentioned, informs us, that great cures of their athletic exercises, as well as from the have been effected in the leftrosy, by bathing in the water, either by immersion, pouring water want of linen, which was then much less in use what he calls "Cold Sulphur Water.") 8. Dur-upon it, or covering it for a minute with a wet than at present, yet, in our times, it would be of ing pregnancy. And, 9. In a distorted or de-cloth, and then diving head foremost into the great service if the use of baths were more ge-formed state of the body, except in particular water. neral and frequent, and this beneficial practice cases to be ascertained by professional men .- Sir not confined to particular places or seasons, as a John farther recommends, but too indiscriminate- is effected suddenly; and as it is of consequence mere matter of fashion. Considered as a species ly, the dipping of ricketty children one year old, that the first impression should be uniform over of universal domestic remedy, as one which forms every morning in cold water; and he is of opi-the basis of cleanliness, bathing in its different nion that, in adults, it prevents the infection of timorously, but with a degree of boldness. A forms, may be pronounced one of the most exten-fevers, by making the body less sensible of the contrary method would be dangerous; as it sive and beneficial restorers of health and vigour, changes of air; that, in old women, it stops vio-might propel the blood from the lower to the up-Cold, Cool, Warm and Hot Baths. lent hemorrhages from the uteris; that it has per parts of the body, and thus occasion a fit Cold Baths are those of a temperature varying contributed to cure canine madness, poisonous of apoplexy. For these reasons, the shower

be accommodated to the following rules:

1. It is a vulgar error, that it is safer to enter again adopted it as a general restorative, when dangerous chillness frequently seizes them, and imprudent to continue in the water till a second the prevailing diseases of relaxation and atony the injury sustained is generally ascribed to their chillness attacks the body; a circumstance which going into it too warm; while it doubtless arises would not only defeat the whole purpose intendThe superior advantages of cold bathing over from the contrary practice. Dr. J. Currie, of cd, but might, at the same time, be productive of Without expatiating either on the history or thus secure a force of re-action under the shock, muscles, have acquired a due degree of re-actine sensible effects of the Cold Bath, we shall which otherwise might not always take place. But, though it be perfectly safe to go into the cold bath in the earlier stages of exercise, nothing is more dangerous than this practice, after exerwhich cold bathing must not be attempted: name- always to precede cold bathing, to promote the diate parts, which the water has not touched, brile disposition attending such individuals. 2. exercise to a violent degree, are proper on this contact. As every drop of water from the show-

er external or internal. 3. In obstructions of the to the whole body, ought to be short, and must be intestines, or habitual costiveness. 4. In affections of the breast and lungs, such as difficult sensations of the breast and lungs, such as difficult sensations of the individual; for healthy persons Hence respiration, short and dry coughs, &c. 5. When may continue much longer in it than valetudinathe whole mass of the fluids appears to be vitia- rians; and both will be influenced by the tempecannot be easily defined, but is obvious from a joy it for an hour, when, in spring or autumn, our sallow colour of the face, slow healing of the or two minutes may be sufficient.-Under similar flesh when cut or bruised, and from a scorbutic circumstances, cold water acts on aged and lean

their fits off with it." 7. In cutaneous eruptions, remain in the bath longer than a quarter of an which tend to promote a critical discharge of hour, while the latter are generally able to sus-

3. The head should first come in contact with

4. As the immersion will be less felt when it

5. The morning is the most proper time for using fore sunset, will be more eligible; as the water Experience, however, has but too often evinc- has then acquired additional warmth from the

day for this purpose.

6. While the bather is in the water, he should

Immediately after the person leaves the bath, through numerous channels, before it can exert and fatigue, debilitated the living power, nothing his body with a coarse and clean cloth. He should robust, and apparently healthy, are liable to some years, constantly directed infirm persons to the skin; if season and circumstances permit, it nervous, hysteric, hypochondriacal, and paraly use such a degree of exercise, before immersion, will be more proper, and highly beneficial to take tic affections, as well as to frequent attacks of as may produce some increased action of the gentle exercise till the equilibrium of the circuvascular system, with some increase of heat, and lation be restored, and the vessels, as well as the

> The best place for cold bathing is in the invigorating water of the sea, or a clear river; and where neither of these can be conveniently recise has produced profuse perspiration, and ter-sorted to, we recommend the Shower Bath. Its minated in languor and fatigue; because in such effects are doubtless more powerful than those of circumstances, the heat is not only sinking rapid-the common bath: and though the latter covers ly, but the system parts more easily with the the surface of the body more uniformly, yet this portion that remains." In short, it is a rule liable circumstance by no means detracts from the exer bath operates as a partial cold bath, its vivify-2. The duration of every cold bathing applied ing shock to robust individuals is more extensive and beneficial than from any other method of

> > Hence this bath is possessed of the following important advantages: 1. The sudden contact of the water may be repeated, prolonged, and modified at pleasure. 2 The head and breast are tolerably secure, as it descends towards the lower extremeties: thus, the circulation is not impeded, breathing is less affected, and a deter-

than the usual immersion, and can be more readily procured and adapted to circumstances. And, of the hot bath, most chronical disorders, and 4. The degree of pressure from the weight of gouty cases in particular, not in an inflamed state, water is here, likewise, in a great measure pre-may be relieved, and sometimes cured; while vented; nor is the circulation of the fluids in- persons in high health may be greatly injured terrupted so as to render the use of this bath in by wantonly sporting with so powerful an alteany degree dangerous,—a circumstance of the rative of the animal machine, either from sick highest importance, because, by the ordinary ness to health, or from health to sickness. immersion, persons are often exposed to injuries

which they least apprehend. Cool Baths may be called those which are of a temperature between the 56th and 76th degrees of Fahrenheit's scale. They are of great service in all cases where cold bathing has before been recommended, and require nearly similar precautions. As their influence, however, on first entering them is less violent, though their sub-sequent effect may be attended with equal advantages, it follows, that even persons of a more delicate organization may resort to them with great-

er safety.

With respect to rules for cool bathing, we refer the reader to those stated in the preceding article; and shall only remark, that notwithstanding its effects are less perceptible while the body continues in the water, it is necessary that the bather, on coming out of it, should be wiped dry with the greatest expedition, to prevent

catarrhal affections.

Warm Baths, are such as have a temperature above the 76th, and not exceeding the 96th or for poultry, it deserves the attention of rural 98th degree of the thermometer before mention-economists-especially in the Southern States, ed. There are various springs in Britain, espe-whose climate is so congenial to its native place. cially those of Bath, Clifton, Buxton, and Mat- The other plant, of which are ear has been lock, to which Nature has given this tempera- sent to you, with a letter dated, Edisto Island, ture, the most beneficial to the human body. May 11, 1824, under the name of French millet, But whether the tepid bath of this description or Eguptian Millet, is a variety of the Holcus be natural or artificial, it is equally conducive to spicatus, mentioned in the communication already cians as well as patients, have hitherto been too in the Dictionnaire Encyclopedique of La Marck, generally accustomed to consider a warm bath Art. Houque. This plant goes among the as weakening the body, and useful only for the French by the names of couscou, millet à chanremoval of certain diseases, especially those of delle, &c. the skin. Experience, however, has amply proved, that there can be no safer and more offi dex or Key for your correspondents. Unfortunate-cacious remedy, in a variety of chronic or inverterate complaints, than the warm bath, if properly used, and continued for a sufficient length of time. Instead of heating the human body as large agreement the same properly have asserted it has a cooling for the Creek Latin & Latin & Languages, and know well has circoneously been asserted, it has a cooling for the Greek, Latin, &c. languages, and know well And I find from the same evidence, that it is the effect, inasmuch as it obviously abates the quick-ness of the pulse, and reduces the pulsations in a remarkable degree, according to the length of time the patient continues in the water. After the body has been overheated by fatigue from the body has been overheated by fatigue from whatever. turbation of mind, a tepid bath is excellently hension, by the use of the Vernacular idiom. calculated to invigorate the whole system, while it allays those tempestuous and irregular motions, which atherwise prey upon, and at length reduce, the constitution to a sick-bed. Its softening and assuasive power greatly tends to promote the growth of the body; on which account it is pe-culiarly adapted to the state of such youth as manifest a premature disposition to arrive at a settled period of growth; and it has uniformly MR. SKINNER, been observed to produce this singular effect in all climates.

medical advice.

Dr. Oliver asserts, "that by the prudent use

Tegg's Book of Utility.

TO THE EDITOR OF THE AMERICAN FARMER.

Baltimore College, May 29, 1824.

DEAR SIR,

The plant of which the seed has been sent to you from Alabama, by Col. Pickens, is the Holcus bicolor, to which I alluded in my communication of the 17th current. La Marck thinks that this species of Holeus may be considered as a variety of the Holcus sorghum. There are strong reasons for this suggestion. The French call the H. sorghum, Grand Millet .- Among us, the use of wheat and Indian Corn, renders this plant less valuable than it is in Africa and Arabia, where Niehbur tells us that its seed yields two hundred per cent.—Dr. W. Barton has recommended the seed of the H. Bicolor, as a substitute for chocolate or coffee, when parched.-At any rate, as a forage, and as supplying abundant food

the restoration of energy, though its effects alluded to—(4 varieties are known.)—Abundant have, till lately, been little understood. Physical information respecting this plant may be found

travelling, violent exercise, or from whatever at no distant day, the Botanical science brought of the ill-fed pig too. cause, and likewise after great exertion or perhome, as it were, to every farmer's ready appression or perhome, as it were, to every farmer's ready appression or perhome, as it were, to every farmer's ready appression or perhome, as it were, to every farmer's ready appression or perhome, as it were, to every farmer's ready appression or perhome, as it were, to every farmer's ready appression or perhome, as it were, to every farmer's ready appression or perhome, as it were, to every farmer's ready appression or perhome, as it were, to every farmer's ready appression or perhome, as it were, to every farmer's ready appression of the ill-fed pig too.

I salute you with great esteem and respect, L. H. GIRARDIN.

FOR THE AMERICAN FARMER.

BEST FOOD FOR YOUNG TURKIES.

er," to present my grateful acknowledgements to cipal food at once out of the earth to their mouths, my Cousin Tabitha, far her instructions on the by eating without the necessity of any impleabove 98 or 100 degrees of Fahrenheit, and are occasionally increased to 110 or 120 degrees, and upwards, according to the particular nature of the case, and the constitution of the patient. There can be no tested made hid degrees of the disease There can be no stated rules laid down for its use, of the disease; for not being a professional ana- of the question, though they are all matters of as every thing depends upon the peculiar circum stances of each patient. No prudent person will, mions of those mure scientific than myself. I am the rearing of a family, we shall find, that, in we trust, have recourse to a hot bath without medical advice. matters of domestic concern, am indebted to per- ment, bread is the preferable diet.

sonal observation and the experience of others. As our progress towards perfection in the improvement of domestic comforts and conveniences is greatly accelerated by taking advantage of the discoveries of those who are well versed in such matters, perhaps it may not appear presumptive in me to suggest to our cousin, and your other readers, a mode of preparing food for young turkies, which, for a long time I have successfully adopted, and which recommends itself by its simplicity. Two eggs boiled to hardness, cut fine; a handful of young mustard, also cut fine; Indian meal scalded in boiling water, all mixed together with a small quantity of ground pepper, are sufheient to feed at one time one hundred young turkies, to be increased in quantity as they increase in size, until five or six weeks old. They are very fond of this mixture. Eggs that remain after the setting hens are supplied, though unfit for other purposes, answer this end. Feeding my young turkies on food prepared as above described, I have never known an instauce of one dying with the gapes, though until I adopted this preparation I found it extremely difficult to raise any considerable number of them.

I have usually sown mustard seed at such time as to have it young and tender about the season in which turkies are hatched. Perhaps it may not be a useless hint, that many poulterers permit the gentleman of the gang to acquire too long a beard. Eight females with one male, a year old, are sufficient to raise from eighty to one hundred turkies. Should mustard be scarce, lettuce

may be substituted.

AUNT BETTY.

Domestic Economy.

MAKING BREAD.

77. Little time need he spent in dwelling on the necessity of this article to all families: though on account of the modern custom of using potatoes to supply the place of bread, it seems necessary to say a few words here or. a subject, which, in another work, I have so amply, and I think, so triumphantly discussed. I am the more disposed to revive the subject, for a moment in this place, from having read, in the Evidence recently given before the Agricultural Committee, that many labourers, especially in the West of England, use

78. I was, in reading the above mentioned Evidence, glad to find, that Mr. EDWARD WAKE-FIELD, the best informed and most candid of all the witnesses, gave it as his opinion, that the increase which had taken place in the cultivation of potatoes was "injurious to the country;" an opinion, which must, I think, be adopted by every one who takes the trouble to reflect a little upon the subject. For, leaving out of the question the slovenly and beastly habits engendered amongst the Permit me through the medium of the "Farm-labouring classes by constantly lifting their prin-

79. An acre of land, that will produce 300 cl, you can have sixty-five hounds of bread for ty-nine times out of a hundred, the fuel for heat-bushels of potatoes, will produce 32 bushels of the ten shillings; and can have out of potatoes ing the oven costs very little. The hedgers, the household bread (that is to say, taking out only the bran) 65 lb. Thus, the acre yields 2080 lb. of bread. As to the expenses, the seed and act wheat; that is to say, where the Winchester Yet, nine families out of ten, seldom eat wheaten of planting are about equal in the two cases. bushel weighs sixty pounds, will make sixty-five bread. Rye is the flour that they principally But, while the potatoes must have cultivation pounds of bread, besides the leaving of about ten during their growth, the wheat needs none; and pounds of bran. This is household bread, made two thirds the price of wheat, and barley is selwhile the wheat straw is worth from three to of flour from which the bran only is taken. If five pounds an acre, the haulm of the potatoes is you make fine flour, you take out pollard, as they not worth one single truss of that straw. Then, as call it, as well as bran, and then you have a small-to the expense of gathering, housing and keeping the potato crop, it is enormous, besides the risk offlat; but, even of this finer bread; bread equal to floss by frost, which may be safely taken, on an average, at a tenth of the crop. Then comes the expense of cooking. The 32 bushels of wheat, supposing a bushel to be baked at a time, (which would be the case in a large family) would dewheat, supposing it to be fine flour, in the first tatoes. If dom more than half the price of wheat. Half wheat, taking out a little more of the offal, make very good bread. Half wheat, taking out a little more of the offal, make very good bread. Half wheat, as the offal, make very good bread and a greater quantity of ocal it, as well as bran, and then you have a small-the offal, make very good bread. Half wheat, taking out a little more of the offal, make very good bread. Half wheat, as they of each the offal, make very good bread. Half wheat, as they of each the offal, make very good bread and a greater quantity of ocal it. As well as bran, and then you have a small-the offal, make very good bread. Half wheat, as the offal, make very good bread. Half wheat, as the offal, make very good bread. Half wheat, as the offal, make very good bread the offal, make very good bread. Half wheat, as the offal, make very good bread the offal, make very good bread the offal, make very good bread. Half wheat, as the offal, on the offal, make very good bread the offal, make very good bread the offal, make very good bread the offal, on the offal, on

peel the skin and dirt from one at a time and eat the inside. Mr. Curwen was delighted with a bushel of bread. The baker's quartern loaf, indeed, still sweeter and finer, but this is wholly out of the questish hospitality," because the people there relies, indeed, cheaper in the country than at Kention with us.—[Cobbett's Cottage Economy.]

80. I have here spoken of a large quantity of by the wagon load, I saw potatoes bought at a shilling a bushel, to give to sheep; then, observe, these were of the coarsest kind, and the farmer had to fetch them at a considerable expense. think, therefore, that I give the advantage to th potatoes, when I say that they sell upon an ave while they yield only five pounds and a half of nutricious matter equal to bread; and while the bushel of wheat will yield sixty five found of bread, besides the ten pounds of bran. rience it is clear, that, instead of that saving, which is bourer be, who permits so scandalous an use of the proceeds of his labour! But I have, hitherto potatoes, there is a waste of more than one half; taken a view of the matter the least possibly ad

while the wheat straw is worth from three to of flour from which the bran only is taken. If dom more than half the price of wheat, Half would be the case in a large family) would de-mand thirty-two heatings of the oven. Suppose a bushel of potatoes to be cooked every day, in order to supply the place of this bread, then we have nine hundred boilings of the pot; unless cold potatoes be eaten at some of the meals; and, in that case, the diet must be cheering indeed cause you have about 13 pounds of offal, which is Think of the lubour; think of the time; think of the lubour; think of the lubour; think of the lubour; think of the lime; think of the lubour; the lubour in the offall thinks of the lubour; the lubour in the lubour, the lubour in th ceive no parish relief; upon which I can only sington, by, probably, a penny in the loaf; which say, that I wish him the exclusive benefit of such the bushel of bread. But, besides this, pray think a little of the materials of which the baker's loaf each of the sorts of food. I will now come to a is composed. The alum, the ground potatoes, comparative view more immediately applicable and other materials, it being a notorious fact, that to a labourer's family. When wheat is ten shil-the bakers, in London, at least have mills, wherelings the bushel, potatoes bought at best hand in to grind their potatoes; so large is the scale (I am speaking of the country generally,) are upon which they use that material. It is proba-about two shillings a bushel. Last spring the ble that, out of a bushel of wheat, they make average price of wheat might be six and six- between sixty and seventy pounds of bread, pience; and the average price of potatoes (in though they have no more flour, and, of course, all day, with strong N. W. winds. The thermosonall quantities) was about eighteen pience; though no more nutricious matter, than you have in meter in the afternoon was at 33½ in the house, by the warm load. I saw notators hough to a course, all day, with strong N. W. winds. your fifty-nine pounds of bread. But, at the and this morning before sunrise at 31 in the open rage, for full a fifth part as much as the wheat loaf a day, this is a saving of 5/. 45 a year, liming seed wheat, is a preventive of the fly as sells for, per bushel, while they contain five or full a sixth part, if not a fifth part of the earn-pounds less weight than the bushel of wheat; ings of a labourer in husbandry.

82. How wasteful then, and, indeed, how shameful, for a labourer's wife to go to the ba ker's shop; and how negligent, how criminally careless of the welfare of his family must the la seeing that, when wheat is ten shillings the bush vantageous to the home-baked bread. For nine bourhood, on a suggestion of mine, and with the

wheat. I state this as an average fact, and am only five pounds and a half of nutricious matter copsers, the woodmen of all descriptions, have not at all afraid of being contradicted by any one equal to bread for two shillings! This being the fuel for little or nothing. At any rate, to heat well acquainted with husbandry. The potatoes case, I trust, that we shall soon hear no more of the oven cannot, upon an average, take the Counare supposed to be of a good sort, as it is called, those savings, which the labourer makes by the try through, cost the labourer more than 6d. a and the wheat may be supposed to weigh 60 use of potatoes; I hope we shall, in the words bushel. Then, again, fine flour need not ever be pounds a bushel. It is a fact clearly established, of Doctor Drennen, "Leave Ireland to her used, and ought not to be used. This adds six that, after the water, the stringly substance, and lazy root," if she choose still to adhere to it. It pounds of bread to the bushet, or nearly another the earth, are taken from the potato, there re- is the root also, of sloveliness, filth, misery, and quartern loaf and a half, making nearly fifteen mains only one tenth of the rough raw weight, of slavery; its cultivation has increased in England quartern loaves out of the bushel of wheat. The nutricious matter, or matter which is deemed with the increase of the paupers: both, I thank livest flour is by no means the most wholesome; equally nutricious with bread, and as the raw God, are upon the decline. Englishmen seem to and, at any rate, there is more nutricious matter potatoes weigh 56 lb. a bushel, the acre will yield be upon the return to heer and bread, from water in a pound of household bread, than in a pound of 1,830 lb. of nutricious matter. Now mind, a god potatoes; and, therefore, I shall now pro-bushel of wheat, weighing 60 lb. will make of ceed to offer some observations to the cottager, ley, especially when mixed with wheat, make

(To be continued.)

Editorial Correspondence.

Albany, May 15.

DEAR SIR.

I inclose a meteorological table for the last year, and have added such notes of the vegetation in April and May, as my notes afford.

Yesterday we had flurries of snow at intervals

well as of smut. The experiments of G. B. Evertson, of Poughkeepsie, and of Col. Mather, of Scaghticoke, both intelligent observing gentlemen, has removed all doubts in their minds. And

Gen. Armstrong, as follows:-

"Liming seed to prevent smut and other similar maladies, has been long practised in Europe, think I notice it in the Practical Farmer; but whether or no, I have seen it used in this neigheffect of completely protecting the crop from the of January, eighteen hundred and twenty-four, fly. My son, Col. H. B. Armstrong, was the experimentor—limed one half his wheat seed, and The forsowed the other half without liming. mer had no fly-the latter was devoured by it."

Your's with esteem, J. BÚEL.

' Edisto Island, May 11th, 1824.

DEAR SIR. You having kindly furnished the members of our society with various sorts of seeds; I embrace with great pleasure the opportunity I now have, of reciprocating in some measure your friendly offices. I send you herewith an ear of what the seedsman called French millet. It grows with great rapidity. When I saw it last autumn in a small patch of William Seabrook, Esq. the Vice-President of our Society, and who has kindly furnished me with this specimen, it had attained the height of at least 20 feet. It throws out a great number of shoots or suckers, and in the opinion of Mr. Seabrook, will yield a greater quantity of fodder than any other grain or grass with which we, in the southern states, are acquainted-not excepting the Guinea grass. Mr. S. planted it in rows about 5 feet apart, and the same distance between the hills-4 grains in each hill. The rows, or beds, were made by the hoc precisely in the same manner as they are prepared in our southern scaboard districts for Indian corn.

Having mentioned Guinea grass, I shall just in passing, observe that Dr. Auld of our Island, had it growing last year in great luxuriance-its uncommon growth after the second cutting attracted not successful. As his plants yielded no seed he

has abandoned the cultivation of it.

A MEMBER of the St. John's, Colleton Agricultural Society.

N. B. It has just occurred to me, and I have no doubt of the fact, that the friends of the soiling an inch or two at the root-end of the straw makes 75-Do. Untrimmed, \$5.75-Ginseng, 30 cts. system will find it to their advantage to cultivate the French millet. As I have some doubts of the correctness of the name given to this plant, will you have the goodness to give us some information on the subject.

0 THE VINE.

The cultivation of the vine begins to attract the attention of many in different parts of the country. Every year new vineyards are planted and old ones are enlarged; good wines, too, are made, which, at moderate prices, afford a handsome profit.

Our attention has been more particularly called to this subject at this time, by seeing a letter from Mr. Eichelberger, of York, Pennsylvania, in which he has been offered two hundred dollars a year her acre, for four acres of his vineyard. This offer was made by a person "who understands the business well, and was brought up to it," and believes that the vines and cuttings from these four acres, at a low price, and with an ordinary crop of grapes, will produce three thousand six hundred and seventy-two dollars.

Is not this well worth the attention of our farmers and planters .- Nat. Jour. -0-

PUBLISHED IN THE AMERICAN FARMER, BY OR-DER OF THE STATE.

A report of the tobacco inspected at and delivered from Piscataway Inspection Warehouse, during the quarter, commencing on the fifth day value as the grain itself.

	Domestic growth.	Growth not of this state.	Re-in- spected.	Total.
Number in- spected.	59			59
Number de- livered.	1			1

JOHN C. MOORE, Inspector. TREASURY OFFICE, ANNAPOLIS, May 20, 1824 True Copy, from the original report on file in this office.

B. HARWOOD, Tr. W. S. Md.

0 IMPORTANCE OF STRAW IN HUSBANDRY.

This is a subject that has not hitherto been so much attended to as its importance deserves. occasionally introduced in agricultural writings, are bespoke, the diameter of the print in use, and though its value, as the basis of future crops, ought to be given. is fully admitted by every intelligent farmer, yet the subject has seldom been professedly treated farmers more distant, to avail themselves of the of at any length: we shall endeavour, therefore, to compress the most important particulars connected with it, under the following heads:

1. The weight of straw produced on an average of the different crops of grain and pulse, per

statute acre.

2. The value of the different kinds of straw, and,

3. The various uses to which each kind of straw is applicable.

Weight of Straw produced by the different Crops.

and, 6. The manner in which the straw is cut, for a great addition to the dunghill.

is rejecting the weaker soils.

It is calculated by Mr. Brown, of Markle, that on an average of years, the produce of straw in good land, and under tolerable management, will be nearly in the following proportions, per English acre:

		Stones.
Wheat,		160
Beans and	Peas,	130
Oats,		130
Barley,		100

Total 520

lbs. or 1 ton 5 cwt. 2 quarters and 4 lbs.

It may be safely estimated, that on an average of years, well cultivated and fertile soils, when the crop is carefully cut down, will annually produce, on the average of the crops above-mentioned, and taking the average of the kingdom,

THE FARMER.

BALTIMORE, FRIDAY, JUNE 4, 1824.

A GREAT CONVENIENCE .- We have heretofore advocated the offering of a premium to the inventor of the best contrivance for transporting fresh butter to market, from any distance, by land or water.—This desirable object has now been accomplished by Mr. Richardson, at his shop in East Street, where he makes and sells, at various prices, from \$10 to \$15, according to size, butter boxes constructed on the principle, and somewhat on the plan of his excellent Refrigerators, some of which on the most improved plan are now for sale.

These Butter boxes are so compactly arranged, as, with a small quantity of ice, to bring the butter to market in the best condition, and without Though many useful observations on straw, are injury to the form of the prints.—Where boxes

Every new facility of this sort, while it enables benefit of the market, at the same time increases competition, and reduces the cost to the consumer of the article-and is therefore an object of publick utility.

IF It is said that corns on the toes may be readily cured by rubbing them with pummice stone.

PRICES OF COUNTRY PRODUCE—carefully collected every Thursday, for the American

The quantity of straw per acre, differs accordThe quantity of straw per acre ing to a variety of straw per acre, differs according to a variety of circumstances; as, 1. The scason, (for in dry seasons the curve) and \$5 62½ a \$575—Do. Wharf \$5 62½—Do. Rye, and \$5 62½ a \$575—Do. Wharf \$5 62½ a \$575—Do. Wharf \$5 62½ a \$575—Do. Wharf \$5 62½—Do. Rye, and \$5 62½ a \$575—Do. Wharf \$5 62½ The scason, (for in dry seasons the quantity is less Rye, per bashel, 45 cents.—Oats, 25 to 31 cts. than in moist); 4. The soil, for in fertile soils the straw is more abundant than in poor ones; 5. Whiskey, 27½ cts—Apple Brandy, 40 cts—Peach The season when the seed is sown, for spring-sown wheat has less straw than the winter-sown; and, 6. The manner in which the straw is cut, for Linseed Oil, 62 cts. in demand-Clover Seed, \$3 From a statement by Mr. Young, it would appear, that the average produce, in straw, of all the different crops, stubble included, may be calculated at 1 ton 7 cwt, per English acre; but that 50 to \$3 75 per bush .- Flax Seed, rough, 75 Butter, 7 cts. to 14 cts.-Lard, 81 cts.-Bacon, 8 cts.—Leather, Best Sole, 24 to 27 cts.—Feathers, 35 cts.

Tobacco.-Actual sales-Joshua Hood, of Ba'timore county, 1 hhd. yellow tobacco, \$22 per cwt.

Fine red from \$14 to \$18 per cwt.-Common, Ditto, from \$5 to \$8 do .- Common tobacco \$14 to \$4-Yellow Tobacco has rather declined.

Eight hhds. of Ohio Tobacco sold for \$20 per hundred round.

Pigs For Sale.

The subscriber has for sale five boar and five Or, at an average of these crops, 130 stone per sow pigs, being a litter from the sow which took acre, 22 lbs. avoirdupois, per stone; in all, 2860 the first premium at the last Maryland Cattle Show. Apply to

J. W. STONE Three Miles on the Frederick Turnfike Road

CONTENTS OF THIS NUMBER. Proceedings of the Washington Agricultural Society of East Tennessee—On Reclaimed Marsh Meadows—Agritioned, and taking the average of the kingdom, ton, 5 cwt. per English acre.

Peas-Straw.

In Scotland the haulm of peas is used as fodder for working-horses, instead of hay; and when well harvested, forms a very excellent provender, insomuch that it is considered to be of almost equal value as the grain itself.

East Tennessee—On Reclaimed Marsh Meadows—Agricultural Report from the counties therein mentioned, in Virginia—Fate of Books—Paper of the Agricultural Society of the Valley, No. IV.—General Rules for the Restoration of Health—Communication of L. II. Girardin—Best food for Young Turkies—Making Bread—Extracts from the Editor's Correspondence, dated Albany May 15 and Edisto Island, May 11, 1824—The Vine—To bacco Report—Importance, of Straw in Husbandry—Prices Current, Advertisement, &c.

AGRICULTURE.

Address to the Washington Agricultural Society meeting on 12th April, 1824, by THOMAS G. less indeed it be

a farmer will consume unprofitably, more time in proporticy in any case be sued—could it be done attention to the more modest pursuit of what is running backwards and forwards with a single in any better earthly cause? We have heard useful and comfortable, we should leave the noplough to a blacksmith's shop, than would be sufficient to supply one or too extra ones for each in our more humble, and useful pursuits, that we and the extravagant—who like the butterfly are

5. The kind of grains, grasses, &c. to be prehared .- It is not only highly important to an im very especial manner to a subject, deeply connect - sufficiently elegant furniture, and lime of the best proved state of agriculture, and agricultural pro ed with the prosperity and happiness of agriculty, and so cheap for finishing off our houses. fits; that we should make the best selection of turists at least—if not of every other class of Ame-How much more rational and profitable, would seeds of all the productions of the earth fitting for rican citizens. The domestic habits, manners and it be to apply the surplus resources squandered our use, but that we should take particular care custom, or rural economy of all nations, have ei abroad for these purposes—to the acquisition of to preserve these from unfavourable mixture and ther been established or conducted upon principles books and useful knowledge. And here I cannot degeneration, the breed of vegetables may be as to support their institutions—or have ultimately omit the opportunity of suggesting to the Society,

lity of the soil, and to stimulate the growth of all result abroad has disappointed the virtuous hopes ed with much ability in Baltimore,—and the vegetable products—manures are indispensible. of the friends of Liberty, and a violent re-action procurement of other useful agricultural works They are to be obtained from animal, vegetable, has taken place—the effects of which are mani-las soon as our means will admit—but beyond or fossil substances, from air, water, and we may festly extending amongst us in every part of the dhese, I will never advise the expenditure of one did from almost every thing else; and the judi United States. Whatever can retain, or corrupt cont's worth.

Economy and a rigid punctuality, are the life the science of agriculture, and the art of good pendence, or monarchise the republican simpli-institutions and credit—overdealing makes us the husbandry; few districts of country are more facilities afforded of obtaining anti-republican tendency—will be in unison with Plain, temperate, and regular habits have a suit-manures than East Tennessee; good range for the deep and extensively laid plans of all the able effect upon our physical as well as moral stock, and other resources for animal support, af-legitimate monarchs of Europe and the world, and political happiness—painful diseases are mountain air and innumerable streams of water, in every direction, offer abundant natural resources in these respects, and our superabundance of limestone and wood to burn it, provided at every farmer's door, a most valuable and inexhaustible resource in this never sufficiently estimated fossil; and theirs comparatively enlarged. Robbed of in addition to all these, the gypsum, or plaster of the Virginia quarries near Abingdon, completes our stock. The plaster of these neighbouring ones adopted at home; can we reasonably expect to an extent not even suspected by too many. They well know that money is power—by what the present luxurious, irregular and fickle course of subsistence—new, unknown, and theirs comparatively enlarged. Robbed of our principles and our means then, by insidious the theories to fix principles, which must ever continue as unfixed as the complicated variety, the glorious day and introducts, I may safely affirm in point of quality is freehold we have received from our forefathers! equal to any in the world, that we have yet had It were vain and foolish to expect it. Let us gives us a rush, another postpones, and introducexperience and specimens of; and the quantity discharge our duty to posterity, then, and to our-

resources, gentlemen, what more is requisite, to Let our ways be frugal, plain and rational. One ddress to the Washington Agricultural Society advance our agriculture, to the most profitable of the many plans which monarchists in every of East Tennessee—delivered at their first stated and respectable point, but skill and industry, unpart of the world, have devised to undermine

cultivation, or for subsistence and market: and tations will be disappointed. Like the despotic sacred ceremony of notre dame; and it is worthy for either of these objects, too much attention tyrant of antiquity, who would have acquired a of remark amongst ourselves, that, as republicannot be paid to selection and keeping. Hither-knowledge of mathematics by the ready force of canism has been going more out of fashion for to perhaps, it has been a material error in our his will—he will learn that there is no arbitrary several years past—more splendour and parade husbandry that, oxen have been too much postponed for horses in our plantation operations.—
Its blessings and profits are slowly but surely disthey are equally docile, more hardy, easier pensed by the equity of Nature, in equal degrees kept—and when no longer useful for labour, afford us excellent food—and the remark we have frety and district, are said to be the oldest in the quently heard made, that a reduced ox quickly state, and as they took the lead in subjecting this stabled, makes the tenderest beef, is worthy of once savage country to civilization, may we not some consideration—mules too are too much nequently heard made, that a reduced ox quickly state, and as they took the lead in subjecting this stabled, makes the tenderest beef, is worthy of once savage country to civilization, may we not some consideration—mules too are too much nequently heard made, that a reduced ox quickly state, and as they took the lead in subjecting this deluge of foreign fashion.

It is true that this last remark does not apply some consideration—mules too are too much nequently heard made, that a reduced ox quickly state, and as they took the lead in subjecting this deluge of foreign fashion.

It is true that this last remark does not apply some consideration—mules too are too much nequently heard made, that a reduced ox quickly state, and as they took the lead in subjecting this
deluge of foreign fashion.

It is true that this last remark does not apply some consideration are provided by the equal type of the work in equal type of the work in equal type of the work in equal type.

It is true that this last remark does not apply some consideration are provided by the equal type of the work in equal type of the work in equal type.

It is true that this last remark does not apply some consideration are provided by the equal type of the work in equal type of t glected amongst us. Whatever may be our in endeavouring to substitute a more improved but it is justly applicable to some of our rich Atchoice of animals and breeds, and for whatever and productive, for our present barbarous state of lantic cities.

purposes, economy requires that all animals should Agriculture? There is not a class of any denomible But there let them do as it seemeth fit to them; be properly secured from inclement weather, and nation, or an interest of any description, but what their refinements certainly are too apt to delight well fed.

3. The gear and implements of husbandry.—
without these our land and animals would profit fore, the surest foundation of public spirit in all, a public point of view, what tends to undermine us little; a plenty of them, and the best kind will to aid our operations, and favour our upright the plainness and purity of our manners, must be found the cheapest in the end, in a few years views—and if prejudice or partiality might with deeply affect us, as it should them—confining our

we are told, is inexhaustible; with such fortunate selves-by pursuing the wisdom of our fathers. republican principles, and support their totter-WATKINS, M. D. President of the Society.

(Concluded from No. 11.)

Gentlemen of the Agricultural Society,

2. The animals to be maintained upon our land. by the arts of agriculture; let him not become or These consist of such as are used for labour in continue to be a member of this society, his expecting restoration of their bloated monarchy, are more continue to be a member of this society, his expecting restoration of their bloated monarchy, are more continue to be a member of this society, his expecting restoration of their bloated monarchy, are more continue to be a member of this society, his expecting restoration of their bloated monarchy, are more continue to be a member of this society, his expecting restoration of the specific restoration restoration of the specific restoration restoratio

team, which by keeping one like a standing bag may provoke none against us; and prove that we and the extravagant—who like the outterny are team, which by keeping one like a standing bag may provoke none against us; and prove that we constituted to flutter and fall—already we see accumulating causes among us at home, of the decline and fall, rather than the use and progress before us—play Jack o' both sides. Let us be objects, instead of rendering all the elements triphotography of the decline and fall, rather than the use and progress of independence. Economy and propriety could prodigal of our own labour, that we may radionever sanction the introduction of mahogany butary to his support, permits them to depredate cally remove all the weeds and trash, that would sideboards, and bureaux, and richly papered upon his substance, and carry off a great portion swallow up or dissipate the substance of our walls, in a country remote from seaboards, and of his profits.

growing crops. I cannot conclude my remarks, where our own native cherry, walnut, sycamore, gentlemen, without calling your attention in a and beautiful sugar maple, abound for useful and profitably improved with care and attention, as proved subversive of them. Our republican examthe great advantage that might result to its protocol the breed of animals. 6. Manures .- To preserve or improve the qua- upon the monarchies of the world. But the final valuable volumes of the American Farmer, edit-

stitutes of itself a highly important branch of ted sense of the human intellect and manly inde- and soul of Republican Societies, and permanent ford the means of supplies from this source—and the means of accomplishing their objects, thereby prevented—or if natural causes only promountain air and innumerable streams of water, have never been wanting among us—and perhaps duce these, they are more uniform in character

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figuring, and dashing away at every thing, whe-jenslave us. The unwelcome salutation of, "com ther suitable or unsuitable to our physical, mor- pay me what you owe me," extends to a compa al, or religious condition—supportive or subver-ratively small number in East Tennessee—livin-sive of our political institutions! Can we hold upon their own, and within their means, our control of the out at this gait? Believe it not, gentlemen, these tizens require no factitious aids to keep then remarks are by no means inapplicable to our pre-affoat—they require no stop laws, property law sent objects-it will be in vain that we improve or any other laws violating compacts, and post

Domestic employments, and manufactures, and and trees that stand in the way of our agricule economical manners and intercourse should be ture. our special care, for the good of our families and country. But far be it from me to discourage social intercourse-it is the delight of the human heart, and even brutes and savages affect it-the man of solitude may cherish the purest abstract principles and feelings of natural justice and human benevolence. But brooding over himself, his own sensations and volitions, his feelings and his habits become unfriendly to the social virtues -and he loses all practical toleration for the infirmities of human nature, or the defects of human institutions. But when social intercourse is regulated by pride and ostentation, rather than important premiums which it is your province to the dictates of feeling and nature, it becomes award, I have thought that in addition to a resubversive of heartfelt happiness and personal view of my fences and divisions, orchard, live independence-and finally makes the great ma. stock, implements of husbandry, and general as each head of our stock. jority of the individual members of society, the pect of the farm, you might also expet some weather cocks of design, and the yoked instru-concise statement of my rotation of crops, and weather-cocks of design, and the yoked instruments of despotism. Let our intercourse be encouraged then, and all the harmony of social the society have directed your attention. virtues-but let it be confined to good will, and good fare, without parade and extravagance in the use of such articles as come not conveniently and properly within our means. The first setcd the whole extent of Anglo-Atlantic settlements in America-far removed from the corand embarrasments, chased not joy and comfort being plain and simple. And there are not wanting now, amidst the independence-destroyingoverwhelms them.

If there is a portion of the United States, more than any other that yet bears the same relation, for the application of manure, I can not calcu- the advantages of a change of seed which he furto the present polished errors of the ancient halate on its having much weight with your com- nishes to the grounds. We demand no better abodes of Europe—perhaps it is to be found in boast of, and by many practical and successful growth of oak succeeds, or perhaps by destroy-the condition, of this our East Tennessee. Not men among ourselves. It is the opinion of those ing an indifferent one of oak, a growth of hickowashed by the waves of the Atlantic, wafting to whom I allude, that by applying vegetable ry, poplar, or some other native wood, almost over the refinements of the old world—nor yet matter in their dry and unfermented state to the invariably appears. Again, the fact of weeds touched by the golden lures of Golconda or Posion, which glitter upon the wilder regions of the lost by a partial decomposition in the barn three years, decaying, and nourishing some new Nile-like Mississippi, from the new. The aspi-yard. Were it possible for dry straw scattered species which had never grown before on the

our agricultural condition, and individual resour-ces, if a proper and happy application is not made of them.

our laws violating compacts, and post poning, if not positively defrauding justice. Thus, gentlemen, let us proceed—nptearing by the roots, nothing useful in society, but the graph

Contraction PAPERS

Read at the last meeting of the Agricultural Society of the Valley, and by order of said Society, communicated for publication in the Imerican Farmer.

No. V. Springfield, October 15, 1823.

DEAR SIR,

Having already declared myself to the Secra-tary as a candidate for one of the first and most some cursory remarks on each item to which

1st. In relation to Yards and Manures.

To insure prosperity to the farmer who is unwilling to turn much of his attention to the creation and preservation of manure by its proper tlers of the good old Virginia, as was once call application to the soil, would be as preposterous as to insure the success of the merchant, who, though receiving his store room filled with goods, ruptions of despotism-felt and cherished only having himself provided with every implement the natural social virtues, and heartfelt unobtru- of his profession, and his counters surrounded by sive piety. The sons of these were our fathers purchasers, failed to replenish his shelves with the plank is scarce, and stone abundant the of the revolution. All had a plenty, and could articles to supply their demands. For though plank is scarce, and stone abundant, the latter give their neighbours some. Debts, executions, we may receive our lands in the richest state, be possessed of the best improved implements of away from their happy habitations. But design the husbandman, deposite our seeds in the ing, corrupting, misleading fashion, with her handsomest manner, at present reap the most hundred follics and vices, paraded herself into abundant crop—yet if we fail to return to the these republican walks where unpretending hos soil nourishment in the aggregate, amounting to pitality had reigned, with not less dignity for that drawn from it by cultivation, our lands must be impoverished, and our posterity (if not ourselves) have their eyes opened to the system splendour, of this same Atlantic, thousands and of bad management which we have pursued. It ten thousands, of virtuous, intelligent, dignified is indeed astonishing that when the benefit of looks back upon the past, while they are forced so fully compensating the farmer for his labour in too long to any single species of food, by supalong, sighing as they sink in the current that applying it, that it should be so totally neglected plying a variety of fruits and vegetables in eveby many even among our best cultivators.

In offering an opinion as to the proper time bitations of America, which these in their pris-mittee, when I find it opposed to that already evidence of this than the fact, that cutting fre-tine purity and simplicity, bow to the corrupt advanced by the best farmer Eastern Virginia can quently from our lands scrubby pines, and fine rants to wealth, and grandeur, and speculation, here and there, and turned under by the plough, have stopped short of, or gone by us. But here to go through that fermentation which is requistill remain our peaceful habitations, our excel site to form it into food for growing plants, I lent farming lands, our mountains and vallies—should, without hesitation admit it to be the best sufficient to convince us that we were but aiding abundant streams for navigation, and water state for applying it. But under the fullest im- nature in the accomplishment of her wishes. works—and above all our fine climate, pregnant pression that the heat which is essential to de-with health. Here, too, we have comfort and composition can only be engendered by a large ternate cultivation. In addition to this, I have simplicity—no splendid ceremonies flutter our mass of vegetable or other matter lying in close about eighty acres which I consider as meadow hearts, and disturb our convenience, or plunge contact; and believing too, that the process is land, I do not include in my rotation: A porus into embarrassments—no capitaled creditors greatly accelerated by the ordure passing from tion of this is taken (depending upon the quantity

rattle already in a fermenting state, I consend that he manure taken from the yard as soon as a deomposition had perfectly commenced is much nore efficacious than the same would be if applied in a dry state. There is, perhaps, no oint on which opinion more equally turns than on this, it has divided two of the most learned and agacious agriculturists in the union; I allude to Judge Peters of Pennsylvania, and Col. Taylor of Virginia. The former, however, after having rade the fairest experiments the case would adnit of, feels from the result more fully confirmed n the opinion which he has ever entertained (to vit, that of applying it in its partially fermented tate). He mentions as another great advantage of hauling all matter first to the barn yard, and one too, that roust be obvious to every farmer; that of saving the urine of our cattle, which otherwise for the want of an absorbant would be lost. The best constructed barn yards that I have seen were the concave ones of some of our northern farmers, in which all the fluid matter runs to the centre, and is absorbed by frequent applications of earth, straw, weeds, corn stalks, Sc. It is the opinion of those who have made he experiment that by proper management we can make fifteen wagon loads of manure from

2d. Fences and General Divisions.

It is unnecessary to say much about fencing; the kind that would be cheapest and best in one part of our country, might, in all probability, be more costly in another. To those who are situated near saw mills, and where timber is abundant, the board fence I would suppose cheapest. Five plank six inches broad, and sixteen and a half feet long, with two locust posts, makes a rood of durable fence that will not cost in all (including the white washing which is usually recommended as a great preservative of however, that either are cheaper (without estimating the cost of timber for rails) than to cut, maul, make up, and annually repair a common worm fence, the produce of the ground saved by stone or hoard would repair the fences for a generation. Under the head of rotation of crops something will be said on general divisions.

3d. Rotation of Crops.

As nature has pointed out the propriety of not ry season of the year, and some peculiar to each; so has she suggested to the Husbandman same ground, goes to illustrate the same truth. The great advantages of a change to be seen wherever it is practised, should, however, be

which at the time may require re-setting in grass) whenever my poorer shifts come in cultivation, thus equallizing the annual crops. The following rotation I have laid down for myself. The seven fields are numbered from one up to seven. Beginning with No. 1, I have it in corn, then wheat, then clover two years, then wheat, then orchard grass, and timothy two years. Again (which will be the eighth year) in corn, so on through the whole number of fields. To make it plain I annex a diagram. On the different fields as designated by the numbers, are to be seen the crops now growing: on the left, the years for a complete rotation; opposite each year, and under each number of the crop, for the year is mentioned.

1	No. 1.	2	3.	4.	5.	6. 7	'. field.
1823	Com.	and	Or Grass and Timothy	Wheat.	Clover.	Clover.	Wheat.
1924	Wheat.		and	Or Grass and Timothy	Wheat.	Clover.	Clover.
1825	Clover.	Wheat.	Corn.	and	Or Grass and Timothy	Wheat.	Clover.
1826	Ciover.	Clover.	Wheat.	Corn	Or Grass and Timothy	and	Wheat.
1327	Wheat.	Clover.	Clover.	Wheat.	Corn.	and	Or Grass and Timothy
1828	Or Grass and Tinno by		Clover.	Clover.	Wheat.	Corn.	Or Grass and Timothy
1320	and	Or G and and Timothy	Wheat,	Clover,	Clover.	Wheat.	Corn.

Thus it will be seen that in 1823, No. 1 is in corn. No. 2 and 3 in orchard grass and timothy. No. 4 and 7 in wheat, and 5 and 6 in clover; so that every year there is one field (fields averaging forty acres) in corn, two in orchard grass and timothy, two in wheat, and two in clover. All the manure made after the first of April each year, is hauled out during the following October, spread upon the ground, and immediately turned under with three horse ploughs as deep as possible: that made after the 1st of November, and until the first of April, is hauled in the month of March and spread upon the surface of the ground which had been ploughed in the fall, (but not over the portion of the field which had previously been manured) and stirred in with single horse shovel ploughs. In this way all the manure I can make is applied to my corn, which is the crop most requiring it. As soon after ploughing with shovels as possible, provided the middle of April has arrived, I plant my corn and commence the first of May breaking up a clover field, which is then about blooming for wheat. It is broken up in lands of forty eight feet, so that when the field is done, it will be divided by the back lapping and finishing furrow into twenty-four feet lands, by which the seedsman will be guided. The first of June this is all sowed in oats (one and a half bushels per acre) and harrowed in the direction of the ploughing. The first of August 1 start my ploughs in opposite directions from that in which it was originally broken. To these ploughs chains are attached which enables them effectually to turn under the oats, of whatever height it may be. I must here state, that to Mr. Isaac Chrisman, one of our most industrious and successful farmers, I am indebted for information as to the proper manner of fixing this chain. I formerly had it attached to the left end of the single tree of the left horse, and the right end of the single tree of the right horse; the chain dragging between on the ground. reason to believe it a very valuable implement tow; the dressing may be confined, and the foot There were many objections to this mode of Presuming that your committee will prefer seeing protected in some measure, by a leather boot.

fixing it. By Mr. Chrisman's directions, it is my ploughs, harrows, &c. it is unnecessary to attached to the left end of the single tree of the enter into a description of their form. right horse, brought under the beam of the plough just in front of the coulter, carried over and knocked on top of the coulter; this should drag on the ground, when it effectually answers THE DISEASES OF DOMESTIC ANIMALS the object for which it is intended.-After my oats is all turned under, I have the field immediately well harrowed the way it was ploughed, a halter, sometimes entangle their legs in it, and the middle of September, start a harrow in generally getting it under the fetlock, so as to the opposite direction ahead of the seedsman, bruise, wound or exceptite the pastern. In see and plough under with shovels the wheat sowed. If I cultivate rye, it is only when a portion of my meadow land is broken up, which is that year an addition to my regular crops. You will perceive with some astringent lotion, as a solution of sugar from what I have said, my corn ground has invariably two ploughings and two harrowings .- I the following liniment may be applied: sometimes give it an additional harrowing-my wheat ground has three ploughings and three harrowings, sometimes a rolling in addition. The field which I annually sow in clover, is the wheat In slight injuries, the astringent lotion, will gefollowing corn; on this the pug from my crop nerally be sufficient for the cure, is sowed, and white clear seed may be necessary. Hide-Bound. When the horse Upon the forty acre field of oats I turned under eighths of a bushel of grass seed.

4th Orchard.

My orchard (consisting of two hundred and fifthe advice of some of my northern acquaintances, rotation with the field to which it is attached except as to the corn crop, that year an additional skin will soon become loose and glossy again. crop of grass is taken from it. I believe the importance, by meliorating the soil you enable the roots to travel a greater distance, and to search or by suddenly cooling the feet with water after with more ease for nourishment.

5th. Live Stock.

tion in some measure to the fattening of cattle, of this kind, where the inflammation ran so high, I never raise my calves, believing that we may that the whole of the hind foot became mortified, buy the cattle brought down the valley at the age so that it was necessary to destroy the animal. of three years, one hundred per cent. cheaper When the inflammation attacked the foot, the than we can keep them that length of time. I general inflammation or fever ceased. Inflamhave ten milch cows, they are small but give a mation of the foot sometimes ends in suppuraquantity of milk; notwithstanding this, I am satisfied economy would advise my disposing of one there is generally a total casting or separation of halt, and feeding the remainder higher, particu- the hoof: but it often happens that the sensitive larly in the winter time; the only objection to parts retain their power of secreting horn; so this, is the additional attention it would require that a new hoof is gradually formed. The most from myself, to get from the five a sufficient usual mode in which the hoof is cast is rather a

6th. Implements of Husbandry.

better done than it is possible to do it with two horses. My seeding is done, and my corn partly worked with the coulter shovel, which I prefer greatly to the common plough. The cultivator use much in the working of corn, and have good

Respectfully, your's, Maj. SETH MASON. WM. M. BARTON.

AND THEIR CURE.

Halter Cast. Horses that are allowed too long bruise, wound, or excoriate the pastern. In severe injuries of this kind, the part should be poulticed at first; and when the inflamation has abated, if there be a wound, it is to be washed of lead or alum, and if it becomes hard and dry,

Olive oil, two ounces;

Goulard's extract, three or four drachms .-Let them be well shaken.

Hide-Bound. When the horse's skin is unusu-The fallow field of wheat is sowed with orchard ally tight about the body, he is said to be hidegrass and timothy mingled with the wheat bound; the coat at the same time generally ap-Upon the forty acre field of oats I turned under pears rough and dry. This tightness of the skin this year, I sowed fifty-five bushels of wheat, is often the effect of hard work and want of sufweighing sixty pound per bushel, twenty two ficient nourishment; it also commonly attends and a fourth bushels of orchard grass, and twen- lingering diseases, and must therefore be consity-two gallons of timothy seed, making one and dered rather as a symptom of disease than as a three eighths of a bushel of wheat and three-disease itself. The best remedies are a light and nourishing diet, as pollard (a better kind of bran than that commonly sold) and oats made into a mash, or malt mashes, carrots, lucerne, or vetches. If the horse's dung smell offensively, ty trees) is composed of a variety of fruit, some it will be proper to begin with a mild purgative. of a very choice kind. I last spring, governed by Should there be any want of appetite after the the advice of some of my northern acquaintances, operation of the purgative, tonic medicines are white-washed all my apple trees, which I am to be given, or the cordial, mixed with two satisfied proved of inimediate benefit. So well drachms of cascarilla bark. The water he am I convinced of this that I shall continue the drinks should be at the summer temperature, practice annually. My orchard is taken in the By these means, aided by regular exercise, good grooming, and moderately warm clothing, the

crop of grass is taken from it. I believe the Hoof Casting. A partial or complete separa-ploughing occasionally orchard land is of great tion of the horse's hoof from the sensitive foot. This is generally caused by excessive exertion, they have been much heated by exercise. In some instances, I have known inflammatory fe-vers terminate in inflammation of one or more of I in common with other farmers turn my atten- the feet. A few years since, I met with a case tion, or the formation of matter; in this case quantity of milk and butter for family purposes, partial separation. The first appearance is a civcular crack or separation all around the coronet; this gradually descends, being pushed for-For breaking up my ground I make use of the ward by the new shoot of horn. At the end of three horse plough exclusively. I believe that three or four months, it goes down nearly to the the additional quantity ploughed will compensate lower part of the hoof, and then either breaks off, fully for the third horse, (my task to my two or may be removed with the drawner knife. ploughman who do all my work, is four acres a During this process, the fissure between the new day), independent of this, the work is infinitely and old hoof should be filled with some kind of plaster or wax, so as to prevent gravel or dirt from getting in, and the horse should be kept at grass. When the hoof is cast suddenly and toeally, leaving the sensitive foot quite bare it should be covered with mild digestive ointment, spread on tow; the dressing may be confined, and the foot

FROM THE NEW ENGLAND FARMER.

SWINE.

SIR,

The swine or hog is a valuable and usefu! animal, and a number of them is almost as necessa-little more than enough to keep them alive. ry for the farmer as a stock of cattle. Hogs are but highly useful in the business of making manure. It is an indisputable fact, that by proper way with the same expense.

Much exertion has been made within a few new kinds and crossing different breeds; and in some instances they have been essentially improved, hut in others wretchedly depreciated.

A kind have lately been introduced into this vicinity denominated the English breed. I am one among many others who have incautiously ventured to make trial of them to my great disadvantage, as they turn out to be inferior in every with the same expense make one of my old sort weigh at least one hundred pounds more than one of the new kind, so that upon a moderate calculation there is a loss of not less than five dollars in each hog of the English breed.

Much credit is due to the committee on swine at our last cattle show on account of their decision between the competitors for premiums .lified to perform the duty assigned them. Their ally done by adopting the following plan. judgment was decidedly in favour of the larger kind of hogs in preference to those mouse eared in a cool evening, by the help of portable steps, chubs, which are to be seen in many of our styes ten feet in height, the operator (who by the by more resembling woodchucks than swine.

The credit of this famous kind of hogs is un-

doubtedly sinking in this vicinity. Several of my neighbors have lately expressed their disapprobation of them, and their preference to a larger kind as being better and much more profitable. I am determined to be rid of them as soon as practicable, and for time to come be contented with my old sort until I have better evidence than I had before that a new kind is preferable.*

Swine must have suitable food and enough of it, together with good care and attention in order that they may do well and be profitable. They should always be attended by the same person, for if one takes the whole care of them, he will better know what they most need and how much

* This statement gives a view of the subject very different from that to which we have been accustomed. He have been told by experienced agriculturists that the breed of swine, originally intro-duced into this country from England, and which mer was meant to apply to the worm, known in thad its origin we believe, from the celebrated Bake- this country by the name of caterpillar; or the well, has proved a great benefit to agriculturists, canker worm? for as the former is already up well, has proved a great benefit to agriculturists. canker worm? for as the former is already up and such, we believe, as are to be relied on. One that very correct and scientific cultivator, Dr. before it emerges from its cell, I am at a loss to hundred and nine dormitories are in realising. Fiske, of Worcester, stated (in a piece originally conceive what benefit "a sod of earth" can be, sufficient each for two students, for their lodging fublished in the Worcester Shy, and refublished in preventing its future operations.

W. and studies. Six hotels are provided, which will be rented to respectable house keepers, who will as follows:—"My hogs are of the genuine Bedford band of the students as breed so called in England, and experience has proved to my satisfaction, that this breed is far the best that hus been introduced into this country.— They are quiet in their nature, fat easy, and with tittle expense or trouble. I have had some weigh at 12 months, about 340 lbs.; and a considerable number, at 18 months old, 400 lbs.' It is possible, however, that the breed, originally

excellent, may have deteriorated for want of crossing. "Breeding in and in" as it is technically

E. Far.

given them at a time, than they will readily eat called the 'borer.' Its depredations are genewith a good relish, for if they have more than rally committed in the main trunk of the tree,

The practice of grinding cobs or ears of corn not only valuable on account of the meat and fat for hogs, to me, appears to be worse than useless; through very minute orifices in the bark; this they afford for the market and home consumption, and were it wholly dispensed with, I think we lead to further investigation, on which, I disshould see better hogs and hear less complaint covered an unctuous mass of white matter beabout their being dainty and doing so poorly. It tween the inner bark and the wood, which, I care and attention, a greater quantity of good is a fact, which I have proved by actual experi- presume is the larva of the insect; around this manure can be made from swine than in any other ment, that hogs which have for a considerable time been fed upon good meal, will not at any brown color, and were evidently in a state of rate eat that which is made of clear cobs, and disease. I am convinced this must be the cause years to make our hogs better, by introducing very unwillingly that which is made from ears of of the failure in the trees, but I am at a loss for

night and morning during the winter and spring, dert, may do others, as well as myself, a favor with which I put a small quantity of meal and by pointing out a preventive or cure for the evil. give it to them, which makes them grow and do I would observe, that there are no worms below well. Through the summer I give them the wash of the dairy, and about the first of September put them to fatting, and give them as much meal

A SUBSCRIB point to any that I have had before them. I can as they will eat; and in this way I can make as good pork as any of my neighbors.

A FARMER.

Worcester, May, 1824.

CATERPILLARS.

SIR,

commence its ravages on our fruit trees, it seems pages 241, 281, and 291, he may find modes of The gentlemen composing this committee are the most proper time to check its career. This well known to be practical farmers, and well quamay be very easily and at the same time, effectu-

> When the sun is within half an hour of setting will have no need of "spirits of turpentine, fish oil, lighted birch bark," &c. &c.) after coming at the nests will have simply to apply (do not shudder gentle reader) his fore foregraph of the supplementation of the suggested will have simply to apply (do not shudder gentle reader) his fore foregraph of the suggested with those prescriptions might be faithfully tried, and if any thing farther can be suggested should be happy to publish it.
>
> **Edit. N. E. Far.** or if more convenient, his whole hand, and in an instant crush their little commonwealth to atoms!

By the above method, with the occasional use of Mr. Pickering's brush, when the nests could not be otherwise approached, I commonly extirpate these foul interlopers before their size three minutes and 42 seconds. exceeds one fourth of an inch in length, and should feel confident of getting rid of them in toto, if my orchards were not in the neighbourhood of the sluggard whose orchards are, each succeeding year, swarming with the above ver min, which, while in the moth state, will deposit its eggs as well on my trees as on those they had so recently robbed of that beautiful and necessary clothing, their foliage.

While on this subject, permit me to ask, if the remedy mentioned in a late New England Far

not prove of any use against caterpillars, and do not believe they would prove any more efficacious against canker worms.

PEACH TREBS.

SIR.

to give them. They should never have any more trees this season, but I presume it is that pest this it will cause them to become dainty, and lose at from eighteen inches to four feet from the their appetite, so that frequently they will eat but ground. Observing the trees to look sickly I was little more than enough to keep them alive. several places where the gum was oozing out deposit, the wood and bark had turned of a dark a remedy, which is the cause of this communi-My method of feeding hogs is to boil potatoes cation.—Perhaps you, sir, or some correspon-

Your's, &c. A SUBSCRIBER.

Lynn, Mass. May 12, 1824.

Our correspondent in "looking over" our paper, must have overlooked some of its articles. In vol. i. p. 107, he will find the shells of walnuts recommended, and in pages 187 and 317, of the same volume he will perceive other remedies As this is the season for the young caterpillar to prescribed for this disorder. Again in vol. ii. extirpating the borer recommended. How far any of them may prove successful we cannot say any thing more than has been said by those from whom we derived our information on the subject.



A trotting match for a purse of \$2000, took place yesterday on the Jamaica Turnpike, be-tween young Mr. Coster's mare, and a Philadel-phia horse. The match was won by the latter, which, we understand, trotted three miles in

~>0 **€** THE UNIVERSITY OF VIRGINIA.

Charlottesville, May, 28.

The period for opening this institution being ultimately fixed for the first day of February next, some previous information respecting it may be acceptable to the public, and useful to individuals who may have views of availing themselves of its benefits; and our press being on the spot as it were, it seems incumbent on us particularly to give that information, which we shall do from the best sources accessible to us, and such, we believe, as are to be relied on. One BY THE EDITOR. We have repeatedly expressed our opinion that a "sod of earth" will

Exceeding fifty in a mess. With this article the University will have no concern, except to restrain excesses of the table. In addition to these accommodations, provided at the University, the town of Charlottesville, one mile distant, lodge and board between one and two hundred students.-The professors will be in place in the course of the autumn, and in time to prepare In looking over your valuable paper from its themselves for the commencement of their ducalled, will, in time ruin any breed. Editor N. commencement, I find no account of an insect ties, at the opening of the institution. All stuwhich has greatly injured my young peach dents who propose to enter for the year ensuing,

There will be eight schools in the University 1. One of Ancient languages, Ancient History Ancient Geography, and Belles Lettres. 2. One of Modern Languages, Modern History, and Modern Geography. 3. Others of Mathematics. 4. Of Natural Philosophy. 5. Of Natural History. 6. Of Anatomy and Medicine. 7. Of Moral Philosophy. 8. Of Law, Government, and the bread which I have described is not good in England, who seem to know no more of the Political Economy.

ture pursuits, and required to attend no others. And hogs will eat wheat, too, when they can get as knights are made by the king; things of their To enter that of Ancient Languages, he must al at it. Convicts in condemned cells eat wheaten pure creation, a creation too, in which no one else ready be able to read with ease their higher aubread; but we think it no degradation to eat can participate. Now is not this an enormous evil? thors. For the schools of Mathematics and Na- wheaten bread, too I am for depriving the la And whence does it come? Servant women are tural Philosophy, he must be a proficient in nu- bourer of none of his rights; I would have him the children of the labouring classes; and they merical arithmetic. For the others, nothing pre- oppressed in no manner or shape; I would have would all know how to make bread and know paratory will be required, except that into no him bold and free; but to have him such, he well how to make it, too, if they had been fed on school can any one be admitted under 16 years of must have bread in his house, sufficient for all bread of their mothers' and their own making.

Domestic Economy.

FROM COBBETT'S COTTAGE ECONOMY.

will see that the bread of the family be bought at the shop. less number of children or no children at all. He riously to reflect, and to be well assured, that, the With milk, bread with very little wheat in it, may be made far better than baker's bread; and, his resorting to the use of coarser bread, and beloved and respected by their husbands, is to leaving the milk out of the question, taking a thus, endeavour to make up that, or at least, make them skilfel, able and active in the most leaving the milk out of the question, taking a third of each sort of grain, you would get bread weighing as much as fourteen quartern loaves, for about 5s. 9d. at present prices of grain; that is to say, you would get it for about 5d. the quartern loaf, all expenses included; thus you have nine pounds and ten ounces of bread a day for about 5s. 9d. a week. Here is enough for a bout 5s. 9d. a week. Here is enough for a bout 5s. 9d. a week. Here is enough for a bout 5s. 9d. a week. Here is enough for a bout 5s. 9d. a week. Here is enough for a bout 5s. 9d. a week. Here is enough for a bout 5s. 9d. a week. Here is enough for a bout 5s. 9d. a week. Here is enough for a bout 5s. 9d. a week is enough for a bout 5s. 9d. a week. Here is enough for a bout 5s. 9d. a week is enough for a bout 5s. 9d. a week. Here is enough for a bout 5s. 9d. a week is enough for a bout 5s. 9d. a week. Here is enough for a bout 5s. 9d. a week is there be several persons in it capable of earning pledge of peace and happiness in the labourer's Parson of the parish or the Methodist priest be something by their daily labour. Here is cut dwelling.

the most "Evangelical" of the two; for it is and come again. Here is bread always for the Received and the most "Evangelical" of the two; for it is here a question of the daughter's happiness or table. Bread to carry afield; always a hunch of shocking indeed, if that had to be taught by bread, ready to put into the hand of a hungry means of books. Every woman, high or low, that if I were a labouring man, I should prefer child. We hear a great deal about "children ought to know how to make bread. If she do teaching my daughters to bake, brew, milk, make crying for bread," and objects of companion not, she is unworthy of trust and confidence; Bible till they had yot every word of it by heart. be glad to be informed, how it is possible for a amongst those who have to get their living by labouring man, who earns, upon an average, 10s. their labour, know nothing of the making of a week, who has not more than four children, bread; and seem to understand little more about (and if he have more, some ought to be doing it, than the part which belongs to its consumption to the cause, and something;) who has a garden of a quarter of an A Frenchman, a Mr. Cusar, who had been born ninety-nine times out of every hundred we shall

who does not waste his earnings at the alchouse came; that he was surprised when he learnt that or the tea shop. I should be glad to know how it was squeezed out of little grains that grew at such a man, while wheat shall be at the price of the tops of straw; for that he had always had an about 6s, a bushel, can possibly have children cry-lidea that it was got out of some large substances, ing for bread!

giving thirteen shillings for a bushel of bread in- he told me truth. And this may be the more Every student will be free to attend which ever who were too proud to be paupers, that is to say, of the schools he considers as adapted to his fu-abject and willing slaves. "Hogs eat barley." his family, and whether that bread be fine or age. This family, and whether that bread be fine or 87. How serious a matter, then, is this, even It is expected that the whole annual expense coarse, must depend upon the different circum-in this point of view! A servant that cannot

BREAD MAKING.

83. I am by to speak of the corn to be kept by the labourer in husbandry. Then there will be milk to wet the bread with, an exceedingly great improvement in its taste as well as in its quality! This, of all the ways of using skim milk is the most advantageous; and this great advantage must be wholly thrown away, if the bread of the family be horeful to complain, if the numerousness of is capable of that has got two hands. In short, his family should call upon him for extraordingly, she has no useful skill, no useful ability, she is an ordinary drudge and she is treated accordingly. The man with a large family, has, if it be not in a great measure his own fault, a greater number employer, what is her state in the house of an of pleasures and of blessings, than other men. husband? The lover is blind; but the husband is reasonable for him to expect less there is something wanted besides dimples and delicate fare than his neighbours, who have a cherry checks; and I would have fathers the

they and their parents are, when the latter have and, indeed, a mere burthen upon the community. Bible till they had got every word of it by heart; not the means of obtaining bread But I should Yet, it is but too true, that many women, even and I should think, too, nay, I should know, that I

will be expected to attend on the first day of acre of land, (for that makes part of my plan;) in the West Indies, told me, that till he came to who has a wife as industrious as she ought to be, Long Island, he never knew how the flour like the yams that grow in tropical climates. He 84. Cry, indeed, they must, if he will persist in was a very sincere and good man, and I am sure stead of 5s 9d. Such a man is not to say that readily believed, when we see so many women enough. It was good enough for his forefathers, constituent parts of a loaf than they know of those of the Moon. Servant women in abundance appear to think that loaves are made by the baker,

87. How serious a matter, then, is this, even of a student will be about \$200, exclusive of stances which present themselves in the cases of make bread is not entitled to the same wages as clothes and pocket money, and that the latter different individuals. article will be kept within very moderate limits. 85. The married man has no right to expect! if she be ignorant of the nature of flour, yeast, A general notice of all these particulars will be the same plenty of food and of raiment that the malt, and hops, what is she good for? If she authoratively published in autumn, before which single man has. The time before marriage is the understand these matters well; if she be able to or Dormitories. All applications are then to dulge himself in the absense of labour. To she is really valuable; she is entitled to good be addressed to the Proctor of the University, marry is a voluntary act, and it is attended, in wages, and to consideration and respect into the Arthur S. Brockenbrough, Esq. who alone will and the result with great pleasures and advantages, bargain; but if she be wholly deficient in these swer letters on these subjects. We regret to add If, therefore, the laws be fair and equal; if the particulars, and can merely dawdle about with a that the liberal donation of \$50,000, made by the state of things be such, that a labouring man can, bucket and a broom, she can be of very little conlate Legislature, for the purchase of a Library with the usual ability of labourers, and with sequence: to lose her, is merely to lose a consumand Apparatus, rested on a contingency which fails, and that the institution will be opened under this disadvantage.

Constant industry, care and sobriety; with defended, and she can expect very little indeed, in the way of desire to make her life easy and der this disadvantage. subordination to the laws: if the state of things She is not a child of the family. She is not a rebe such, that such a man's earnings be sufficient lation. Any one as well as she can take in a loaf to maintain himself and family with food, rai-ment and lodging needful for them; such man has no reason to complain, and no labouring man employer to her. To sweep a room any thing has reason to complain, if the numerousness of is capable of that has got two hands. In short,

find, that the parents themselves have been brought up in the same way. But a conside ration which ought of itself to be sufficient, is the contempt in which a husband will naturally hold a wife that is ignorant of the matters neces sary to the conducting of a family. A woman who understands all the things above mentioned, is really a skilful person; a person worthy of respect, and that will be treated with respect, too, by all but brutish employers or brutish husbands; and such, though sometimes, are not very frequently found. Besides, if natural jus tice and our own interests, had not the weight which they have, such valuable persons will be treated with respect. They know their own of their character, more careful not to lessen by misconduct the value which they possess from they leave the room. their skill and ability

90. Thus, then, the interest of the labourer; his health; the health of his family; the peace without attention to cleanliness and admission of up. This may give rather more trouble—but and happiness of his home; the prospects of his fresh air, are not only useless, but by their those who wish to excel in their Art, must only children through life; their skill, their ability, strong smell render it impossible to perceive consider how the processes of it can be most hertheir habits of cleanliness, and even their moral when the room is filled with bad air, or noxious fectly performed;—a cook who has a proper deportment; all combine to press upon him the vapours. adoption and the constant practice of this branch of domestic economy. "Can she bake?" Is tious disease will seldom, if ever be communicated by water,—in the prothe question that I always put. If she can, she is worth a found or two a year more. Is that the patient is confined to a small mom, scarcely meat:—it should be covered with water during nothing? Is it nothing for a labouring man to one person in fifty who may be exposed to it, can the whole of the process of boiling-bot not make his four or five daughters worth eight or ten pounds a year more; and that, too, while he do not escape it, though providentially less liable be covered with it,—the more savoury will be the is by the same means, providing the more plenti- to be affected than adolts. fully for himself and the rest of his family? The reasons on the side of the thing that I contend dirty rooms, those who make a practice of ad ing to the thickness, &c. of the article boiled—for for are endless; but if this one motive be not mitting the fresh air, at some convenient time instance, a leg of mutton of ten pounds weight, sofficient, I am sure all that I have said, and all that I could say, must be wholly unavailing.

(To be continued.)

GENERAL RULES FOR THE RESTORA-TION AND PRESERVATION OF HEALTH.

CONTAGION.

of a disease from one body to another. In some cases it is conveyed by immediate contact or touch; in others, by infected clothes, such as cotton, and particularly wool, which of all substances is the most susceptible, because it is extremely porous. Contagious matter, is also, though we apprehend erroneously, said to be transmitted through the air, at a considerable distance, by means of effluvia arising from the sick, in which case the atmosphere, is said to be infected.

Some authors have asserted, that the gnut and consumption are likewise contagious; but this appears to be very doubtful. It is, however, highly probable, that those diseases may be commuricated by the milk of norses. In temperate climates, like that of Britain, there is but little danger of contracting them by infection, among adults; though, in the warmer climates of Eurape, it will be prudent to take the necessary precautions against such accidents. To obviate as far as possible all infection, we would recommend the following rules:

Rules to be observed in the Apartments of those who are confined by Infectious Diseases.

1. It is of the utmost importance to the sick. and their attendants, that there be a constant admission of fresh air into the room, and especially about the patient's bed. The door, or a window, should therefore be kept open both day always, from the cleanest meat and clearest wa and night, care being taken to prevent the wind ter, rise a scum to the top of it: proceeding part from blowing directly on the patient.

An attention to cleanliness is indispensable. The linen of the patient should be often changed; soon as it rises.

out into fresh cold water, and afterwards well boiled things. The floor of the room should be cleansthe patient should be immediately removed, and scum. the utensils washed.

avoid the patient's breath, and the vapoor from meat. ne discharges; or, when that cannot be done, If let alone, it soon boils down and sticks to the carries off the infectious vapours.

nor remain with them longer than is absolutely Many put in milk, to make what they boil worth; and, accordingly, they are more careful necessary; they should not swalinw the spittle, look white; but this does more harm than good:

ted; but, if they be neglected, especially where portion of about a quart of water to a pound of resist the contagion; even infants at the breast drowned in it—the less water, provided the meat

Since infection originates in close, crowded, and as well as from other diseases.

The process of fumigation is as follows:

Take an equal quantity of powdered nitre, and tity of scum, which must be taken off as soon as it strong vitriolic acid, or oil of vitriol (about six rises. Contagion, or infection, is the communication drams of each are sufficient;) mix them in a tea cup, stirring them occasionally with a tobacco steady fire, the water will grow continually hotpipe, or piece of glass; the cup must be removed occasionally to different parts of the room, the regular accessions of heat, are wholly spent in and the fumes will continue to arise for several hours. The oil of vitriol should be in quantity, the same pitch of temperature, however fiercely not weight .- [Tegg's Book of Utility.

20 RUDIMENTS OF COOKERY.

often performed in perfection,—it does not re-quire quite so much nicety and attendance as vered with cold water—and one boiled a gatlop—Roasting. To skim your pot well, and keep it and the other simmered gently for three quarters really boiling (the slower the better) all the of an hour; the flavour of the Chop which was while,—to know how long is required for doing simmered, was decidedly superior to that which the joint, &c. and to take it up, at the critical was boiled; the Liquor which boiled fast, was moment when it is done enough, -- compre-in like proportion more savoury, and when cold, hends almost the whole art and mystery. This, had much more fat on its surface; this explains however, demands a patient and perpetual vigi- why quick boiling renders meat hard, &c. belance, of which few persons are capable.

The Cook most take especial care that the wa- gree. ter really boils all the while she is Cooking, or she will be deceived in the time; and make up a suffi-boil. cient hre (a frugal Cock will manage with much less fire for boiling than she uses for roasting) at

or stirring

When the Pot is coming to a boil, there will

and the dirty clothes, &c. should be immediately On this, depends the good appearance of all

When you have skummed well, put in some ed every day with a mop, and all discharges from cold water, which will throw up the rest of the

The oftener it is skummed, and the cleaner the 3. Nurses and attendants should endeavour to top of the water is kept, the cleaner will be the

hey should hold their breath for a short time, meat; * which instead of looking delicately white They should place themselves, if possible, on that and nice, -will have that coarse filthy appearside of the bed from which the current of air ance we have too often to complain of, and the butcher and poulterer be blamed for the care-4. Visitors should not come near to the sick, lessness of the cook in not scumming her pot.

but should clear the mouth and nostrils when -others wrap it up in a cloth-but these are needless precautions, if the skum be attentively 5. No dependance should be placed on vinegar, removed, meat will have a much more delicate camphor, or other supposed preventives, which, colour and finer flavour than it has when muffled pride and pleasure in her business, will make this

meat, and the better will be the broth.

The water should be heated gradually-accordevery day, and of frequently cleansing and tu-should be placed over a moderate fire, which migating their apartments, bedding, furniture, &c. will gradually make the water hot without and washing the wall with quick-lime, mixed causing it to boil, for about forty minutes—if the with water, in the room, may be assured they water boils much sooner, the meat will be har-will preserve their families from malignant fevers dened, and shrink up as if it was scorched—by keeping the water a certain time heating without boiling, its fibres are dilated, and it yields a quan-

> "If a vessel containg water be placed over a ter till it reaches the limit of boiling, after which converting it into steam—the water remains at it boils. The only difference is, that with a strong fire it sooner comes to boil, and more quickly boils away, and is converted into steam."

The Editor placed a thermometer in water, in Boiling.

This most simple of Culinary processes is not the heat was 212°—i. e. the same degree as the cause its juices are extracted in a greater de-

RECKON THE TIME from its first coming to a

* If unfortunately, this should happen, the first, to last all the time, without much mending cook must carefully take it off when she dishes uh, either with a clean sponge or a paste brush.
† Cooks, however, as well as Doctors, disagree;

for some say, that "all sorts of fresh meat should be put in when the water boils" I prefer the ly from the fonlness of the meat, and partly from above method, for the reason given-gentle stewthe water,—this must be carefully taken off as ing renders meat, &c. tender, and still leaves it safid and nutritive.

meat, we think rather too little; the slower i boils, the tenderer, the plumper, and whiter it will be

For those who choose their food thoroughly cooked, which all will who have any regard for their stomachs, TWENTY MINUTES TO A POUND that I have known them to be carried to the tawill not be found too much for gentle simmering by the side of the fire; allowing more or less time, according to the thickness of the Joint, and Fillets of Veal; and many other joints, will thrashing, and marketing the last crop. It is the coldness of the weather; always remember bake to great advantage if the meat be good; I often thought insufficient to cover even that weing the slower it boils the better.

Vithout some practice it is difficult to teach

any art; and cooks seem to suppose, they must be right, if they put meat into a pot, and set it has been half baked, I have seen it start from the over the fire for a certain time, -making no al lowance, whether it simmers without a bubble,

or boils a gallop.

Fresh-killed meat will take much longer time ticularly recommend. boiling than that which has been kept till it is what the butchers call ripe,—and longer in cold baking should have its ears and tail covered with than in warm weather; if it be frozen it must buttered paper properly fastened on, and a bit of be thawed before boiling as before roasting;—if butter tied up in a piece of linen to baste the it be fresh killed it will be tough and hard, if you back with, otherwise it will be apt to blister; stew it ever so long and ever so gently. In cold with a proper share of attention from the baker, tice of cutting straw into chaff, for mixing with weather, the night before the day you dress it, I consider this way equal to a roasted one. bring it into a place of which the temperature is

The Size of the Boiling Pors should be the same. adapted to what they are to contain: the larger the saucepan, the more room it takes up on the fire, and a larger quantity of water, requires a proportionate increase of fire to boil it.

In small families, we recommend BLOCK TIN saucepans, &c. as lightest and safest; -if being little more than the expense of tinning a rate heated oven. copper one.

lid, and give the meat a bad taste.

If you let meat or poultry remain in the water and loses its flavour.

BEEF and MUTTON a little under-done (especially very large joints, which will make the better Hash or Broil) is not a great fault; by some people it is preferred; but Lamb, Pork, and Veal, are uneatable if not thoroughly boiled—take depends much upon the s but do not over do them.

A TRIVET, or Fish drainer, put on the bottom judge;—if they are sent to him in time, he must be very neglectful, if they are not ready at the inch and a half from the bottom, will prevent time they are ordered. that side of the meat which comes next the bottom from being done too much,-and the lower part of the meat will be as delicately done as the other part; and this will enable you to take out the contents of the pot, without sticking a fork, &c. into it. If you have not a trivet, use four skewers, or a soup-plate laid the wrong side upwards.

Take care of the Liouor you have boiled poultry or meat in; in Five Minutes you may

tity, and the rest water; wash salted meat well the straw raised upon the farm into dung, that with cold water before you put it into the boiler. the sale of straw is ever permitted.

a respectable baker.

venient ways of dressing a dinner in small fami- are reckoned a tolerable crop.

The old rule of fifteen minutes to a pound offlies; and I may say THE OVEN is often the only Kitchen a floor man has, if he wishes to enjoy a lioint of meat at home with his family.

I dont mean to deny the superior excellence of roasting to baking; but some joints when baked so nearly approach to the same when roasted, ble, and eaten as such with great satisfaction.

LEGS and Loins of Pork; Legs of Mutton; mean well fed, rather inclined to be fat; if the pense, and a farther abatement is allowed on the meat be poor, no baker can give satisfaction.

When baking a joint of poor meat, before it bone, and shrivel up scarcely to be believed.

A Pig, when sent to the baker prepared for

not less than 45 degrees of Fahrenheit's thermo- taking care to have it on a stand, and when half

A Buttock of BEEF, the following way is particularly fine. After it has been in salt about a earthern pan with a pint of water; cover the pan tight over with two or three thicknesses of cafe or proper care is taken of them, and they are well be baked with brown paper; the pitch and tar dried after they are cleaned, they are by far the that is in brown paper will give the meat a smocheapest; the purchase of a new tin saucepan ky bad taste-give it four or five hours in a mode-

Take care that THE COVERS of your boiling hour, taken out and wiped, a crust made suffipots fit close, not only to prevent unnecessary cient to cover it all over, and baked in a mode-injured by shaking or harvesting. evaporation of the water, but that the smoke rate heated oven; cuts fuller of gravy, and of a evaporation of the water, but that the smoke rate heated oven; cuts fuller of gravy, and of a may not insinuate itself under the edge of the finer flavour than a boiled one. I have been in and MACKEREL, with a dust of flour, and some after it is done enough, it will become sodden bits of butter put on them. ELLS, when large and stuffed. HERRINGS and SPRATS, in a brown pan, with vinegar and a little spice, and tied over with paper. All these I have been in the habit

The time each of the above articles should take depends much upon the state of the oven. and I do not consider the baker a sufficient

-00 IMPORTANCE OF STRAW IN HUSBANDRY.

Value of different kinds of Straw.

make it into excellent soup.

Is applicable; but, in general, its price depends blended with other substances, it is provable on its vicinity to large towns. It is only in situations where foreign manure can be procured into chaff with advantage; but when made use If the liquor be too salt, only use half the quan-leasily, and at a cheaper rate than by converting of in these methods, it should be used as fresh as

BAKING. neighbourhood, than in any other part of the excellent fod ier. The following observations were given to us by kingdom. It is sold there by the load, which But though this

As straw is rarely permitted to be sold, being usually employed in maintaining winter stock, the real value of the article, to the farmer, is but inconsiderable, depending upon the quantity and quality of the dung it produces. So little is it hought necessary accurately to ascertain the value of straw, that in several cases it has been given by the out-going to the incoming tenant, as an equivalent for the expense of harvesting, price of the grain.

Various Purposes to which Straw is applicable. The subject of feeding with straw will be bet-

ter understood by considering the specific proper-Besides those joints abovementioned, I shall ties of the different kinds of straw employed in feeding stock, and the rules that ought to be upon the rules tha served when stock are fed with that material.

Wheat Straw.

This kind of straw, from its strength, is concorn for horses, prevails, wheat-straw is prefer-A Goose prepared the same as for roasting, red. When given to cattle or horses, it is sometimes cut into chaff, and either given raw done, to turn the other side upwards. A Duck in that state, or, what is greatly preferred, steam-

ed with other food, in particular with potatoes. In order to improve wheat-straw as fodder, it is the practice, in some parts of England, to cut week, to be well washed and put into a brown the grain rather greener than in Scotland, which earthern pan with a pint of water; cover the pan preserves more of the natural juices, and consequently makes the fodder better. Some of the fooolscap paper; never cover any thing that is to best farmers were accustomed to cut wheat much earlier than common in their respective districts. One of these was a miller in Norfolk, who occupied a large farm, where he always cut his wheat several days before any one else thought of begin-A HAM (if not too old) put in soak for an ning, well knowing the good consequences in the value of the grain. It must also be less apt to be

Among the culmiferous grains, the straw of the the habit of baking small Cod fish, Haddock, nat is considered to be the best fodder, when given uncut. It is well known, indeed, that oatstraw, during the winter season, is almost universally given instead of hay, in all the best culti-vated counties in Scotland, during the winter months, though that of peas and beans is certainly preferred where both are grown.

In some districts farmers cut oats in the straw into a species of fodder, which is called "cut meat." This is given not only to horses, but to cattle, especially fattening cattle. It is thought to give not only fatness but a fineness of skin to all

sorts of stock.

Bean-Straw.

If well harvested, this straw forms a very hearty and nutritious kind of food for cattle in the winter season. Both oxen and horses, when The intrinsic value of straw must vary materially, according to its leading properties, the work they have to execute, thrive well on it; quantity of manure into which it may be constituted by littering, or its fitness to be employed as thatch, these being the chief uses to which it manger food, for the labouring teams; when possible after being thrashed. A mixture of bean straw, (which by itself is rather dry,) and of Straw is generally dearer in London and its peas-haum, which is sweet and nourishing, makes

But though this straw, more especially when respectable baker.

Consists of 36 trusses, of 36 lbs. each, or 12, 6 mixed with peas-haum, is of great value as followers, is one of the cheapest, and most conlibs. in all. Two loads of wheat-straw per the der to the working stock of the farm, it does not reject ways of dressing a dinner in small family are reckaged a tolerable crap. suit well with riding-horses, as it is apt to hurt

12 ig 6 lus.

Tare-Straw or Hay.

This is an article strongly recommended by some farmers; for when the land has been dunged, and the seed good, the produce is considera-ble. The crop should be cut as soon as the blos-the present year. soms begin to fall off, or the pods to form, and the whole converted into hay—tares require a great deal of sun to cure, and rain is very injurious to them. It would be a good plan to mix them with dry straw, which would improve both.

Rules regarding the consumption of Straw in

feeding Cattle.

Straw is much used in the feeding of Cattle in Scotland; and there can be no doubt, that oxen will feed well on straw and turnips, if the straw he good. It is recommended, in all cases, that for a month or six weeks after a bullock is put to turnips, straw only should be given with them: But in the more advanced stages of fattening, markable for their colours and figures; and there hay is so much superior, that it should if possi-ble, be supplied. It is certain, at the same time, that hay is a very expensive food for stock, and ought to be saved as much as possible where it can prudently be done. It is well known that a full allowance of turnips and straw, during the winter months, will fatten better, than a small allowance of hay in place of the straw. In the spring, hay, which retains its nutritive juices longer than straw, is much more valuable, both for fattening stock and feeding horses; and it is therefore the practice to reserve hay for about three months' consumption of these kinds of has proved to be equally secure. Neither stage stock, and for no others.

Editorial Correspondence.

Extract of a Letter dated Lewisville, S. C. } 29th May, 1824.

DEAR SIR,

We have lately had some extraordinary weather for the season—this morning the thermometer at 7 A. M. stood at 47, and at 3 P. M. rose only to 66—this day week it stood at 86 at 3 P. M. One of my neighbourd.
this morning. Wheat and condition is dying away very much.
Very respectfully,
W. S. GIBBES. of my neighbours is convinced he saw frost early this morning. Wheat and corn look well, but

The breeders of fine horses, will be gratified to learn, that the celebrated mare Lady Richmond, owned by Mr. S. H. Herrick, of Hyde rounds owned by Mr. S. H. Herrick, of Hyde rounds owned by Mr. S. H. Herrick, of Hyde rounds owned by Duroc; and it is pronounced by competent judges, that before, and I forbear to mention the quantities before the properties are the quantities before the properties are the quantities before the quantit this is, in all respects, the finest colt in the state. I have seen myself, lest you should question my

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The names of the Canal Boats that arrived diseases of the skin, and all chronic affections. Industry, and the skin, and all chronic affections. Industry, and the skin, and all chronic affections. In London by an eminent British Surgeon. They are upon the principle of administering medicine of many sorts, but particularly chlorine, mercu-

the disease which is provincially called botts, pro-through the medium of the stomach. The Ger-Spy, two Eclipses, Cantelope, Cornucopia, two

A letter from Paris received at Washington, states it as nearly certain, that the Marquis de la Fayette will visit America before the close of New York.

Washington Irving's "Tales of a Traveller" was in press at our last dates from London, and is expected to arrive here by the first vessel after the Canada.

Dr. Mitchell received, a few days ago, a valuable collection of seed, from General Wilkin-four and ending on the fith day of April, in the son, in Mexico, and immediately presented them to the Horticultural Society, for culture and distribution. Besides the valuable articles for fields and gardens, there are some parcels of the Zapote, the Chirimalla, the Avocate, the Mammea, and other delicious fruits of the Tropic. The grains of the maize or Indian corn, are reis an exceedingly curious ear, with purpleish, acuminated, and cinbricated grains, from the castle of the unfortunate Montezuma, about three miles from the city of Mexico!

It is stated, that more than a hundred thousand passengers have been carried in the steam-boats Fulton and Connecticut, in the course of the last nine years, through the Sound, and not a last nine years, through the Sound, and not a mer, page 86, the quotation from Niehbur, should have been person has been killed or hurt from any defect two hundred for one, instead of two hundred per cent. in the machinery or the management of the boats. carriages, nor even private vehicles, can boast of such success.

Trans-Atlantic Shepherds.—The Charleston Courier announces the arrival of a Shepherd, from PRICES OF COUNTRY PRODUCE - carefulthe mountains of Thuringia, in Germany, accompanied by a Shepherdess, and Shepherd's Dogs. They are gone to the plantation of Col. Breith-

veracity. After going through my wheat and eating every thing which they could eat, inclu Cotton sails and leather bottoms will in the substituted for hemp and copper. We have seen almost satisfactory evidence in favor of the change. Economy and durability is certainly in favor of cotton and leather, if correct conclusions have been drawn from recent experiments

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Address of the Washington Agricultural Society of East they ate about forty acres of my corn, which was nearly knee high!"

Address of the Washington Agricultural Society of the Valley, No. V.—The Diseases of Donaestic Animals and their cure—On Swine—On Caterpillars—On Peach Trees was nearly knee high!"

Contents of the Washington Agricultural Society of the Valley, No. V.—The Diseases of Donaestic Animals and their cure—On Swine—On Caterpillars—On Peach Trees The University of Virginia—Bread Making—General Rules for the Restoration and Preservation of Health—Rules for the Restoration and Preservation of Health—Rules for the Sulley for the Restoration and Preservation of Health—Rules for the Sulley for the Restoration and Preservation of Health—Rules for the Sulley for the Restoration and Preservation of Health—Rules for the Sulley for the Rules for

their wind. In some horses, both bean straw, ry, sulphur and opium, through the pores of the der, Republican, Newell, Homer, President, and peas-haum are apt to occasion colic pains, or skin; and with more safety and expedition than William Walker, Farmer, Hotspur, Marktime, bably occasioned by flatulency. For this disease, man physicians pretend to have performed won-danum, is found to be a good remedy.

Mising Suns, Venus, Superintendent, Sullivan, about half an ounce, or a table spoonful of lauderful cures in this way. Hippocrates is said to have mentioned the idea in his works.

Mising Suns, Venus, Superintendent, Sullivan, Whale, Chili, Driver, Minerva, two Horns of Plenty, William, Sir Henry, American Star, Yacht, Hornet, Whitehall, Mygatt, La Fayette, Rambler, Schenectady, Calvin, and Lark.

Our sister city, Albany, now exhibits all the bustle of business so familiar to the citizens of

>0 PUBLISHED IN THE AMERICAN FARMER, BY OR-DER OF THE STATE.

A report of the tobacco inspected at and delivered from Queen-Anne Inspection Warehouse during the quarter, commencing on the 5th day of January, in the year eighteen hundred and twentyyear eighteen hundred and twenty-four.

	Domestic growth.	Growth not of this state.	Re-in- spected.	Total.
Number in- spected.	181			181
Number de- livered.				

WATKINS & HARWOOD, Inspectors. TREASURY OFFICE, ANNAPOLIS, May 26, 1824. True Copy from the original report on file in this office.

B. HARWOOD, Tr. W.S. Md.

EHRATUM.—In the last number of the American Fare

THD FARMER.

BALTIMORE, FRIDAY, JUNE 11, 1824,

ly collected every Thursday, for the American Farmer. By ROGERS & STMINGTON.

Flour, Howard-street, \$5 87½—Do. Susquehannan \$5 56—Do. Wharf \$5 62½—Corn Meal, per They are gone to the plantation of Col. Block aupt, in Edgefield, who is about establishing a nah \$5 56—Do. Whart \$5 022—Corn Meal, per considerable Sheep Walk, for which the pine bbl. \$2—Wheat, white, \$1 18 to \$1 20—Do. Red, \$1 14 to \$1 16—Corn, yellow, 33 cts.—Do. white, \$1 14 to \$1 16—Corn, yellow, 33 cts.—Do. white, \$1 14 to \$1 16—Corn, yellow, 35 to 31 cts. 29 cts.-Rye, pr bush. 41 cts.-Oats, 25 to 31 cts. Norfolk, May 29.

Destruction of the Crops by the Caterpillar.

A letter from a friend in Hertford county, N. C. to the Editors, gives the following account of the ravages made by the Caterpillars in the wheat and corn crops:

"Our wheat crops have been much injured by the caterpillars; report says that some have been cut off about one half. The oldest persons in Flax, 9 cts.—Rye, pr bush. 41 cts.—Oats, 25 to 31 cts.—Whiskey, 27½ cts.—Apple Brandy, 40 cts.—Peach Ditto 62 to 75 cts.—Herrings, No. 1, \$2 31—
No. 2, \$2 06—Ditto Old, No. 1, \$1 50—
Ditto Ditto No. 2, \$1 25—Shad, trimmed, \$6 75—Do. Untrimmed, \$5 75—Ginseng, 30 cts.—Linseed Oil, 65 cents.—Clover Seed, \$3 50 to \$3 75 per bushel—Flax Seed, rough, 75 per bushel—Flax Seed, rough, 75 to \$3 75 per bushel—Flax Se 8 cts.—Leather, Best Sole, 24 to 27 cts.—Feathers, 35 cts.

AGRICULTURE.

rican Farmer.

of his farm.
Tilling my land with hired hands, I found on posting my account, was running me in debt instead of being a source of profit. This induced me to try some other method, and after several experiments, having for their object the economy of labour, the procuring and application of manure, and the rotation of crops-the following has proved the most successful.

In the first place, I drew a plan on paper, arranging the land into square and convenient lots containing from five to ten acres, having an eye to the convenience of water for each field, and to the transportation of its produce to the barn where it was to be housed; out with no regard to the unevenness of the surface, or the presence of springy land. This land cost about twenty-eight dollars per acre. I commenced fitting the lots and continued year after year in succession. The management of one may be taken as a specimen of the whole.

I removed the rubbish at an expense of about \$2 per acre. The loose stones were then removed, and with posts and rails placed into perma nent fence, at an average expense of \$6 per acre. This expense added to the first cost of the land, makes an average of \$36 per acre, excepting repairs of buildings, when the land was fit for tillage. I then arranged my barn yards a little dish ing, where it was convenient, for making and preserving manure-1 drew into them in the fall my buildings, and the adjacent roads, and yarded my stock upon it during the winter. This course I pursued for a few years, until my crops so in creased as to furnish me with manure in a sufficient quantity to give each of my lots a slight coat once in five or six years. In the spring it was thrown into small piles in the yard. In the fall bearded wheat, one and a half bushels per acre, commenced ploughing with a good and faithful and harrowed it in. The seed was prepared by ploughman, who turned over the sod about three inches in depth, and from eight to ten inches in width. The dry part was back furrowed into moist twenty four hours to prevent smut and inlands of twelve paces, and the wet into lands sect. In the fore part of May, five or six pecks from hve to six paces wide, leaving a deep dead over it from six to eight three horse loads of manure per acre; and on the driest and most barren I have added three or four loads of old leeched twenty-five cents per bushel. ashes-rolled it down with a roller five feet long, and twenty inches in diameter. This was done to pulverize the lumps, and settle the manure and land together.

This I have done both in the spring and fall .-The spring I have found the best time, but not so convenient for carting manure. About the tenth into small ridges, by throwing two furrows to the sod; then crossed marked at the same dis-

convenience of turning the horse so as not to the soil-when out of the ground one or two in-

plastered on the hill five pecks to the acrc. Af- had from forty to forty-five bushels per acre.ter two or three weeks it was ploughed and hoed The third season, have taken a crop from eighty Communication from Earl Stimson, Esq. as before, without disturbing the sod, and suckto one hundred bushels of corn per acre—and the
President of the Agricultural Society of Saraered before hoeing, leaving three or four stalks in
fourth, stocked it down with barley. This I have toga County, in New York, on the management a hill. The potatoes were hoed at the same found a good course when my ground was in heart time with the corn-the first time, the tops were covered about an inch, and the hill left flat-the of grain before stocking with grass. With this second time, the tops were spread apart with mode of husbandry, as will appear from followthe hoe, and about the same quantity of dirt aplied on the hills as before. The whole of this ed me a handsome profit. expense including the manure and interest of the thirty-six dollars, did not exceed nineteen dollars and a half per acre.

In the fall I gathered on an average from sixty to seventy bushels of corn per acre fit for the crib, which, at that time, was worth fifty-six or sixty cents per bushel. After the corn was harvested the hills were harrowed with a two horse drag. In the spring I ploughed it just deep enough to turn up the old sod, which had become a fine vegetable mould for a spring crop, and after har-rowing the furrows down, sowed it with barley, washed in strong brine, and rolled in plaster about two and a half bushels of seed per acre, harrow ed it, and before cross harrowing, it was seeded with four pounds of the large red clover seed, and three quarts of timothy. After the barley was out of the ground one or two inches, it was sowed broad cast with plaster, five or six pecks per acre, and rolled down to pulverize the lumps and smooth the surface for mowing. The expense of this crop was not to exceed ten dollars per acre; an average produce 40 bushels per acre, worth 62½ cents per bushel. I took from this ground the two succeeding years from 21 to 3 tons of hay a quantity of turf and dirt from the knoles around per acre. In this way the land was cleansed, enmy buildings, and the adjacent roads, and varded riched, and prepared for a further rotation of crops.

> The second rotation .- The sod was turned over the last of August or first of September, manured and rolled down as in the first instance. About the 15th September, I sowed it with red chaff bearded wheat, one and a half bushels per acre, washing it clean in a strong brine made with salt, and immediately rolled in lime, and I let it lie of plaster were sowed broad cast to the acre.-

acre, worth forty-four cents per bushel.

In the fall or early in the spring, I harrowed one horse plough; if ploughed it was harrowed sowed it with some spring crop suitable to stock down, and if it was wet and springy it was cast down—sowed and rolled as before stated, protance. About the fifteenth or twentieth of May, a half to four tons of hay, or pasture in that pro-

were planted with four rows of potatoes for the in plaster, they were ploughed in on the top of Read at the last meeting of the Agricultural Society of the Valley, and by order of said Society, communicated for fublication in the Ameso that it would answer to take from it four crops ing out the above calculations, my land has afford-

> Transactions of the Agricultural Society of Albemarle, VIRGINIA-communicated for publication in the American Farmer.

Copy of a letter from Col. Thomas M. Randolph, to the Secretary of the Agricultural Society of Albemarle. [Read May 10, 1824.]

I have the honour to lay before the Agricultural Society of Albemarle, a fresh specimen of a species of Vetch, which I have observed for several years in its natural growth-and which I am induced, by what I have seen, to believe may ultimately prove a valuable acquisition to the husbandry of an elevated, uneven, and stony country like that we inhabit. In a temperate and dry region of the atmosphere, I have constantly found it so far advanced before the end of April, as to be in that stage of its growth at which it might be most profitably pulled, for it does not need cutting, to feed horses and oxen, both of which eat it willingly enough. This specimen is far less forward than common, yet the pods upon it are nearly full grown now. It was found growing in fresh land, poor and stony, facing the East and sheltered on the West side. It grows luxuriantly in a forest of oak and chesnut on a high and dry ridge, but is more abundant about the fences and edges of fields farthest from water, near which I have never yet observed it. Like the other vetches it abounds in seed, and is highly nutricious to all herbivorous animals when the pods are, as the gardeners say, in the green-pea state. It is by no means as succulent as the winter vetch of Europe, which is now naturalized with us towards the coast, and may be found in Albemarle, at this time, by a Botanist, from September until the following June; although unquestionably, exotic and adventitious. This plant, like the winter vetch, has what the Botanists call a perennial root furrow to answer the purpose of a drain. I spread The expense of this crop including manure, was like Lucerne, which has not a regular terminaabout \$16 per acre—the produce from thirty five tion by age, after having blossomed twice as red to forty bushels per acre, worth one dollar and clover, for the most part has. It does not, like twenty-five cents per bushel. Late in the fall or early in the spring, I turned during cold weather, but makes its appearance at up the old sod, harrowed and planted it to corn. any time with a day or two of genial tempera-Tilled as before mentioned, except the barn yard ture, and then disregards frost, being naturally of manure—the expense about fourteen dollars per an uncommon firm texture in its stalk for a plant acre—had from eighty to a hundred bushels per of a genus so remarkable for succulence as the vetches. It is, most probably, I think, of the same species with the Vicia Sylvatica of Euof May it was well dragged or ploughed, with a down the hills, and in the spring prepared and rope, but yet, an American plant, and was found one horse plough; if ploughed it was harrowed sowed it with some spring crop suitable to stock by Michaux in Canada. This plant does not answer the description given by any of the Boduced from 50 to 60 bushels, if barley, from 25 to tanists of the Vicia Caroliniana, or Dumetorum, gether at a distance of two and a half feet from 35, if spring wheat, and from 70 to 80, if oats, or the Pairiflora, which is also to be found in the centre of the ridges, but without disturbing from 5 to 6 hundred pounds if flax per acre; and our mountains: nor yet that of the Ciacca of afterwards, for two or three years, from three and Europe, to which it comes much nearer than to any except Sylvatica. It is a vetch with long it was planted with eight rowed yellow corn, portion per acre. Some seasons instead of sowing flower stalks, as long as the leaf stalks, bearing twelve quarts to the acre, wet in a pickle made wheat on the soil in the fall, I have turned it over numerous thick set, sky blue and white flowers, of six ounces of saltpetre, two quarts of hoiling in the spring, rolled and harrowed it, and sowed placed somewhat in an impricated reflex position, water, one gill of tar. This pickle was applied it with three bushels of small or three and a half leaves elliptical, obtuse astipulae smooth edged; to the seed boiling hot, which immediately was bushels of large white peas to the acre. After stipulis semis agittatis aut lunatis integris, caull rolled in plaster and planted. The head lands they had been washed in strong brine, and rolled sulcato aut subtetrageno; which latter charac-

Vol. 6.—13.

ter, and many other appearances, incline me to on it also. When old, they are fully as bad for ed worth. Further, the naturalist who ascends believe that the Vicia Ciacca of Michaux, found men or horses to go among, in proportion to their to final causes, and "traces nature's God through by him in Canada, is the same with the Vicia height and strength, as any briars or thorns nature's works," is filled with admiration for the Americana of Wildenow, and that neither of whatever. The cultivation of the field had bethem differ with sufficient certainty, from the come extremely difficult from the innumerable he observes that, in respect to herbivorous ani-Sylvatica of Europe. Vicia Ciacca, which this tough roots of that plant, and two crops of wheat resembles much, grows in meadows, or among lad been very seriously diminished in quantity: tuate their respective species, the period of gessmall grain, not in wood, or very dry places, and indeed, for more than 20 acres reduced to less tation, and that of suckling their young, are so they cannot well be the same. It is most probably, than the seed sown upon the same space. Last the Americana of Wildenow, which may not be May, (1823) it was my deliberate opinion that &cc. may, upon quitting the nutritive fluid hithera distinct species from the Sylvatica of Europe nothing less than a thorough summer fallow, beater all. Whatever it may be, I invite the at ginning in March at the latest, and repeating the new and tender gramina in woods or in pastures tention of the Agricultural Society of Albemarle, to the fact of the existence among us in a wild to any use. A flock of about 100 sheep, were similar circumstances in the carnivorous tribes. state, of a plant so likely to become useful in rulal almost starved upon that extent of pasture, and But such considerations are foreign to my design! ral economy. Every species of plant has some peculiar property, useful in some way, or agreeable, or useless and wholly unworthy of the notice when they appeared, as they were known to be it cannot attract, or hurtful, or even baneful. very fond of the fruit, which is an orange-colour-such a delineation of the principal gramineous But how can that difference of properties be known, when the objects themselves, although made permanently distinct in their kinds from nature, are not distinguished? Can it be said without due research, that all those which do not attract, the notice of any but Botanists are her many graphing and species of any but Botanists are her many graphing and species of any pure size and species of any but Botanists. not attract the notice of any but Botanists, are practice nothing can be more prejudicial at that any gramineous plant being once duly ascertained. wholly without useful or interesting properties; season, when all weeds are in seed, or more bene-ls it not the interest of every agriculturist, to ficial in the spring months. It is difficult to se-or agricultural writers respecting the same, may learn to distinguish the various kinds of plants in parate these berries, when dug and shrivelled easily and speedily be obtained, by consulting his own fields?—which have been from the befrom seed wheat; and a farm in the county of their works. The sketch which I now contemginning, and will remain to the end of time, as Henrico, upon which the plant had never been plate presupposes in the reader, at least, a fundistinct as they were made by the original im-pression received by each. Every plant now ance of it, carried with wheat, from the field of botanical nomenclature. Should some readers rural economy. Every navigator, huntsman, sheep were brought back, and there being no traveller, farmer, or gardener, whoever brought grass for them, the blossoms were so entirely a plant to notice, must have possessed botanical devoured, the leaves and stems not being eatable, in most cases. It will save me the trouble of rewheat 1600 years before Christ, as better food plete, for the Solanum had occupied it exclusive. for man than beans and peas, by Sir Walter Ra-ly. leigh, who had studied botany, and carried the potato to Enrope, down to our own Meriwether Lewis, who was an excellent botanist, as well as a great hero, whose truly valuable present of a corn fit to grind by harvest, and many excellent garden herbs and roots, have been neglected al-ready from indolence. It is scarcely more than 40 years, since Sequeien, a physician and botanist of Williamsburg in Virginia, shewed us that the BOTANICAL SKETCH of the principal gramina use-Tomato was eatable, which now every body deems necessary to keep the blood pure in summer. Many such discoveries combined, have rendered the present race of men in Virginia, healthier and longer-lived than the last.

I have the honour to be, &c. TH. M. RANDOLPH. PETER MINOR, Esq. Secretary of the Agricultural Society of Albemarle.

pasture. A field of more than 100 acres size, in tiguing it; and some of them perfume the valuates. They are alternmy farm near Charlottesville, has become very full of the plant sometimes called horse nettle, a and the magnolia yield their sweets to the vernal precises of Solanum, not the Solanum Carolinense breezes. Lawns of verdant grass are the favorage green—sometimes very broad—and at other

I have the honour, &c. TH. M. RANDOLPH. Peter Minor, Esq. Secretary of the Agricultural Society of Albemarle.

O comment FOR THE AMERICAN FARMER.

ful, or likely to become useful, in husbandry. No. I

PREFATORY REMARKS.

tion to present a concise sketch, are chiefly recommended by their extensive utility. They are
not, however, entirely destitute of charms even
for those who seek in vegetable productions only
brilliancy of tints, or exquisite fragrance, and
plants are uniformly fibrous, or hairy—if they
walked them solely in the ratio of the plansurer constraints are uniformly fibrous, or hairy—if they
walked them solely in the ratio of the plansurer constraints are uniformly fibrous, or hairy—if they
walked them solely in the ratio of the plansurer constraints. Copy of a letter from Col. Thomas M. Randolph, to the Secretary of the Agricultural Society of Albemarle. [Read May 10, 1824.]

I have the honour to communicate to the Agricultural Society of Albemarle, a fact which has recently come to my knowledge, of some interest, in my judgment, to rural economy, in the very important point of the extirpation, without cost, of noxious plants from fields while under pasture. A field of more than 100 acres size, in tigning it; and some of them perfume the valuation of the pleasures sometimes assume a bulbous appearance, this circumstance must be ascribed to the swelling of their inferior joints. The number of knots or joint arises a leaf, the lower part of which envelops the culm, as a sheath, open in where the powers of spontaneous vegetation are the whole of its length—the upper part spreading from the culm into an undivided limb, genevery important point of the extirpation, without cost, of noxious plants from fields while under pasture. A field of more than 100 acres size, in tiguing it; and some of them perfume the valuation. The gramina are for man the welcome of their inferior joints. The number of knots or joint arises a leaf, the lower part of which envelops the culm as a sheath, open in the retire of their inferior joints. The number of knots or joint arises a leaf, the lower part of which envelops the culm as a sheath, open in the retire of their inferior joints. The number of knots or joint arises a leaf, the lower part of which envelops the culm as a sheath, open in the retire of the imaging and the welcome of their inferior joints. The number of knots or joints is pretty constantine ach species. From the rich and or joint arises a leaf, the lower part of which envelops the culm and the property constantine ach species. From the rich and the property constantine ach species. From the rich and the property constantine ach species. From the ri value them solely in the ratio of the pleasures sometimes assume a bulbous appearance, this of Michaux, for that is a perennial, and this is rite scenes of those infantine sports which the certainly an annual plant, but a species of that genus helonging to its division "aculeata." The plant has "aculei" like the briar, not thorns like the hawthorn, for it is an herb, not a shrub.

These "aculei" cover the leaves on both sides, and the calyx or flower-cup has some small ones turks or affection, on the humble tomb of depart-

nature's works," is filled with admiration for the mals, the time of that union intended to perpeploughings every mouth, could reclaim the field whereas there is no fixed and definite time for cultivated in our fields or gardens, from wheat to which is the subject of this communication. As want even this, a reference to any elementary sca-kale, was originally a tribute from botany to soon as a pretty full crop of flowers appeared, the work on botany will, in a few minutes, render knowledge in some considerable degree, from that not a trace of the mischief now remains, ex-peating what has been said a thousand times be-Triptolemus, who introduced the culture of cept the nakedness of the surface, which is com-fore, and considerably abridge the sketch in view.

Outlines of Gramineous plants, in general.

There is a striking similarity in the general aspect of gramineous plants. Their stem, or trunk, assumes in botany the appellation of culm; it is cylindrical, and commonly consists of tubes connected with one another by knots or joints placed at certain intervals, and of a harder substance than the hollow parts of the culm, which they evidently are intended to strengthen, a purpose to which the cylindrical form is also peculiarly favonrable. The culm adheres to the earth by fibrous roots-wheat, rye, barley emit three radicles-whereas all other gramineous plants hitherto known, have but one. From The grammeous plants, of which it is my inten-these roots often arise other roots of a larger

setaceous, or capillary leaves. Their edges are pretty often furnished with small imperceptible fruit of several gramineous plants, liquors of which he dies, or, as is more frequent, a period is put points, that render them rough to the touch. The upper leaf invests the flowers in their tracts from others a salutary mucilage. In short, him from his hopeless sufferings.

There scarcely exists a vegetable family so justdisengaged themselves from it, closes and be-ly entitled to our attention and interest, as the ses which had died with this disorder. comes inflated. This is very conspicuous in Pha-ly ramineous plants.

bones of the head, particularly of the jaws, laris, (canary-grass.) Besides this covering of the upper leaf, the fructification of the gramina delineation of some important genera and she-the bone, with regard to its solidity and consisis usually protected by two involucres—the ex-cies of this attractive family, purposely avoiding, tence, exhibited a natural appearance, but when terior, called glume or calyx, vulgarly chaff in my delineations, every adventitious ornament. broken open, the inner part was distended and or husk—the interior denominated corolla—each L. H. GIRARDIN. commonly divided into two parts, named valves.

The valves are either mutic or awnless—and cred bread offered on the altars, and composed dical men say, of three parts viz:—1st, the sometimes awned or bearded. The corolla convinous liquors to be used on festival days. The enamel, or outer hard covering—2d, the bone and the histil. The stamina are most often three ans as money. in number, so that most gramineous plants belong to the class triundria. Many of them, however, belong to other classes—as will be seen after—ON THE DISEASE IN HORSES GENERAL. wards. The anthers are oblong, forked at each extremity, and nearly imitating the form of an x. The female organs consist in an ovarium or seed-bud, shaped sometimes like a cone, and MR. J. S. SKINNER, sometimes like an egg-it is surrounded at its Sir-l observed in the American Farmer of all resemblance to that part in sound teeth. I base with two small scales, not always visible to the 30th ult. an inquiry made "as to the cause the naked eye—and surmounted by a style generally divided into two feathery stigmas. In zea in horses:" also a request that "a description of the class monoecia, that is, in which the stamina and the pistils inshed. are not contained in the same corolla, though on As to the cause of that malady, I cannot pre- be distinguished; they had become so comminthe same stem or culm, the styles are very long sume to give an opinion about it. It would be gled, and had been operated upon, and vitiated and resemble a tutt of green silk. The fruit is mere speculation and theory without any cer-by the disease, so much in the same manner. a coriohsis, that is, a seed whose pericarp ad-tainty. heres to it so as to be confounded with the seed itself. This fruit or corio/isis, is sometimes naked, ny thing which will incontestably be a "re-the fore and hind legs, were perceptibly vitiated, cometine covered with the persistent corolla: the medy." But as the mode of treatment, or rather and some of the joints of the hack bone exhibitembryo is very small; it is attached to the base of the operation, which I have observed to be the ed like a pearances. a larger herisperm. Between the embryo and most successful, is extremely simple; as it is Having thus given the herisherm, is tound a pulpous body, consider attended with very little trouble and no dan-as well as my recollection serves me, I will prothe fierisfierm, is tound a purpose body, consider attended with very little trouble and no dan- as well as my reconcerns serves are, I will be some as a vitellus, but by Jussieu as a ger; and may, and in my opinion will, in many ceed to point out the mode of treatment which cotyledon. In the process of germination, this instances, perform an entire cure; I will, there-cotyledon expands into a single leaf, spronting fore, communicate it to you.

It is nunceessary to describe the different process are the concept of the communicate in the disconler process to correct the concept of the control of the cotyledon expands into a single leaf, spronting fore, communicate it to you.

from the ground. The thin pellicle of the perisperm in wheat yields what we call bran; the as it has fallen under my own observation, as substance which it invests yields flour. Flour, well as I can now recollect it; for it has been a confidence in the efficacy of their prescriptions. contains a principle called gluten, which chiefly number of years since I was conversant with in I have known none of them succeed well. At stances of the kind, and whilst I was a boy. It the time when the complaint prevailed in this reneous plants contain among other principles, sacepidermis and joints yield siliceous earth.—But rarely heard of.

these, and other considerations of a similar nature, fall within the province of chemistry—I disease than older ones. The disorder does not preturn to my immediate subject. The flowers appear to be contagious, yet when it commences rowels, but was unsuccessful in every way, unsufficiently appeared to him spirites of varieties and rowers and recovery and rious aspects and names-or panicles also differ-to be affected before it is eradicated; and was adopted. It was suggested to him, if I am

tus totus of gramineous plants in general will which have been longer exposed to the compass wards taken were also cured, and at length the suffice for the present. The time of the floration of its influence. It is generally slow and tardy malady disappeared. of each genus, &c. together with other interesting in its operations, both with regard to the subjects. The remedy is nothing more than as follows—

family, are duly felt by every agriculturist. The several years.

Several years.

The first appearance of the disease, is gene-when purchased from the store, or as a falling let, oats, guinea-grass, &c. &c. belong to that rally, perhaps always, an enlargement of the axe is when finished at the shop, and before it is family, and ensure to it an honourable pre-emi-part of the head between the eve and nostril, ground. Heat this in a fire until it is quite red-part of the head between the eve and nostril, blockerity's fire is hest because most convenence-that of usefulness. To man, and to those and on both sides. This unnatural bulk conti- a blacksmith's fire is best, because most conveanimals which he has domesticated for his ser-nues to increase in size; in some subjects with nient. vice, or for his table, it affords wholesome and greater, and in others with less rapidity. After Sear abundant food. From time beyond the memory the horse has been for some time affected from near the eye of a horse to near his nostril. of man, the cerealia have been cultivated in Eu in this way, the under jaw also begins to exhi-rope; rice in Asia; maize in Peru*; Holcus, &c. bit appearances of a like growth and distention, horse it is as large as a lady's little finger, and in in Africa; millet almost every where, though -and I have sometimes known it even exceed some larger than the thumb of a dandy. Apply

times, so narrow as to be denominated linear, luxury in some countries, has become a neces-the joints grow stiff and unshapely, and the back

tains the sexual organs, that is, the stamina, seed of the Zea was also used by the Peruvi- proper, which is entirely covered with the enamel

LY CALLED THE "BIG HEAD."

Lincoln County, N.C. May 26th, 1824.

charine matter; hence their distillation .- Their prevalent in this part of the country, but is now made use of numerous applications, and tried

ently modified, as I shall subsequently state in horses brought from a distance to supply the not mistaken, by a traveller and a stranger.

a more particular manner.

horses brought from a distance to supply the not mistaken, by a traveller and a stranger.

From that time, his horses which were discircumstances, will afterwards be mentioned. attacked by it, and in attacking others: and in Take a piece of bar iron—have it formed into The importance and value of this vegetable this way will remain on the same premises for the shape of a chisel, about two inches wide.

down to the gums, and is then inserted into the iawbone, and with regard to the degree of hardness and consistency, much resembles other bones of the system—and 3d, the nerve, which passes into the tooth, and nourishes it. Now in the skeletons of horses which have died with the Big Head or Growing Head, I have seen all the bone proper part of the tooth, so much affected as to lose

Some of the bones in other parts of the sys-Neither am I certain that I can recommend tem appeared likewise to be affected. Those of

Having thus given a description of the disease,

The above prefatory description of the habi- are equally subject to the complaint, as those eased recovered, and those which were after-

Take a piece of bar iron-have it formed into

Search out a gristle or ligament which extends better adapted to southern climates; sugar, a the other in the rapidity of its increase. The the edge of the heated iron across this ligament, subject in some instances at an earlier, and in shout midway between the eye and nostril, and others at a later period of the disease, begins sever it by burning entirely in two, to the bane, that the Virgins of the Sun prepared the sa-to languish and lose his activity and his strength; This must be done on both sides of the head.

Let the wound then do for itself. If flies pleased with the reflection that there is a great will heal of itself.

ly as to be scarce perceptible, shrink to its natu-ral dimensions. Where it has advanced further, the horse may still become serviceable, but the 92. Yet, on men go from year to year in this head may never entirely regain its natural shape, state of wretched dependence, even when they

the case with regard to the cure I have suggestand effectual specifick for the disorder. But the will has, with me, been more than once a since the experiment is one easily made, and I do subject of observation in print. I for a good cate to you the result.

your welfare, I am, sir,

Respectfully your's,
JOHN F. BREVARD.

Domestic Economy.

FROM COBBETT'S COTTAGE ECONOMY.

BREAD MAKING.

much difficulty; but in all other situations there much difficulty; but in all other situations there appears to me to be hardly any excuse for not boy, I can grind six bushels of wheat in a day, twelve or fourteen persons, the money actually of wheat at nine pence a bushel comes to four saved in this way (even at present prices) would and sixpence, which pays the man and the boy, year. At the utmost here is only the time of one the case) to be hired for the express purpose, out woman occupied, one day in the week. Now of the street. With the same mill you grind mind, here are twenty-five pounds to be employ-ed in some way different from that of giving it eight or ten bushels ground in a day. You have to a baker. If you add five of these pounds to a not better employed for you; and is it not better from the regular baking population; but would the very nature of the grain; as, when I came into England, and if some of those youths were the hopper, so the flour came out into the bin. left at the plough who are now bound in apprenthe thick the art and mystery of doing that which every girl in the kingdom ought to be taught to do by her mother? It ought to be a maxim with every master and every mistress, never to employ another to do, that which can be done as well by their own servants. The more of their money that is retained in the hands of their own people the better it is for them altogether. Besides, a man of a right mind must be

should have access to it, and blow it, and mag-gots ensue—this will do no injury. The severed feels stronger and more independent on this ac-ligature should be prevented from re-uniting count, all pecuniary advantage out of the questing state of the wound may be advantageous; contemptible than a crowd of men and women and having kept open and sore for some time, it living together in a house and constantly looking out of it for people to bring them food and drink. If the disease has not advanced far in its pro- and to fetch their garments to and fro. Such a gress, the head will now gradually, and so slow- crowd resemble a nest of unfledged birds, abso-

And there are, of course, stages of the disease in which no remedy will be effectual. have all the means of living within themselves, which is certainly the happiest state of life that accomplished its ravages and spent its force, that mill to be found; where is the wheat to be got?

93. With regard to the mill, in speaking of And with the best wishes for their success and a mill is something; but the inconvenience and our welfare, uncertainty are great, In my "Year's residence in America," from paragraphs 1031 and onwards, I give an account of a horse-mill, which I had in my farm-yard; and I showed, I think very clearthan by wind or water, and that it would answer well to grind for sale in this way as well as for home use. Since my return to England I have 91. Before I dismiss, however, this subject, let his land with his horses, or, in the season when me say a word or two to those persons, who do he has little for them to do, grinds wheat, sells

baking bread at home. If the family consist of and dress the flour. The grinding of six bushels no trouble about sending to the mill; you are woman's wages. Is not that full as well employ- sure to have your own wheat; for, strange as it could wish, there would be a large deduction and water power has something in it to change

95. But mine now is only on the petty scale ticeship to learn the art and mystery of doing of providing for a dozen of persons and a small lot and in flour.

96. The cost of this mill is twenty pounds. The Dresser is four more; the horse path and wheel might, possibly, be four or five more; and I am very certain that to any farmer living at a again too readily, and the irritated and suppuration. It is impossible to conceive any thing more mile from a mill (and that is less than the average distance perhaps;) having twelve persons in family; having forty pigs to feed and twenty hogs to fatten, the savings of such a mill would pay the whole expenses of it the very first year. Such a farmer cannot send less than fifty times a year to the mill. Think of that, in the first place! The elements are not always propitions. Sometimes the water fails, and sometimes the wind. Many a farmer's wife has been tempted to vent her spleen on both. At best there must be horse and man or boy, and, perhaps cart, to go I am aware, Sir, that where a distemper has any one can enjoy. It may be asked, where is the to the mill; and that, too, observe, in all weathers, and in the harvest as well as at other times however malignant and deadly it may have been, The answer is, where is there not a mill; where of the year. The case is one of imperious negenerally in its progress, yet that at this period, is there not a market? They are every where, cessity: neither floods, nor droughts, nor storms, some subjects will begin to withstand it, and and the difficulty is to discover what can be the nor calms will allay the cravings of the kitchen, will recover from its attacks even without the particular attractions contained in that luminous application of any remedy. This may have been manuscript, a baker's half-yearly bill. they must come with flour and with meal. One ed; and I am far from holding it out as a certain families of any considerable number of persons, summer many persons came down the country more than fifty miles to a mill that I knew in Pennsylvania; and I have known farmers in Engassure you is attended with no danger. I hope while experienced the great inconvenience and to be ground. It is surprising that, under these on this subject will give it a trial, and communi- to be ground at a mill. This expense, in case of circumstances, hand-mills and horse-mills, should to be ground. It is surprising that, under these circumstances, hand-mills and horse-mills, should a considerable family, living at only a mile from not, long ago, have become of more general use; especially when one considers that the labour, in this case, would cost the farmer next to nothing, To grind would be the work of a wet day. There is no farmer, who does not, at least fifty days in my farm-yard; and I showed, I think very clear-every year, exclaim, when he gets up in the ly, that corn could be ground cheaper in this way morning, "What shall I set them at to day!" If he had a mill, he would make them pull off their shoes, sweep all out clean, winnow up some corn if he had it not already done, and grind and seen a mill, erected in consequence of what the dress, and have every thing in order. No scold-owner had read in my book. This mill belongs ing within doors about the grist; no squeaking ing within doors about the grist; no squcaking to a small farmer, who, when he cannot work on in the stye; no boy sent off in the rain to the mill.

97. But, there is one advantage which I have not yet mentioned, and which is the greatest of all; not come under the denomination of labourers, the flour; and he takes in grist to grind, as other namely, that you would have the power of supply-In London, or in any very large town, where the millers do. This mill goes with three small horing your married labourers, your blacksmiths' space is so confined, and where the proper fuel ses; but what I would recommend to gentlemen men sometimes, your wheelwrights' men at other space is so confined, and where the proper tuel ses; but what I would recommend to gentlement to gentlement is not handily to be come at and stored for use, with considerable families, or to farmers, is a times; and, indeed, the greater part of the perto have your own bread may be attended with too mill such as I myself have at present. of their going to purchase this flour, after it had passed through the hands of a Corn Merchant, a Miller, a Flour Merchant, and a Huckster, every one of whom, does and must, have a profit out of saved in this way (even at present prices) would and sixpence, which pays the man and the boy, the flour, arising from wheat grown upon, and be little short of from twenty to thirty pounds a supposing them (which is not and seldom can be sent away from your very farm! I used to let all my people have flour at the same price that they would otherwise have been compelled to give for worse flour. Every farmer will understand me when I say, that he ought to pay for nothing in money, which he can pay for in any thing but money. Their maxim is to keep the money that ed as giving it in wages to the baker's men? Is it may seem, I used to find that I sent white Essex they take as long as they can. Now here is a not better employed for you; and is it not better wheat to the mill, and that it brought me flour most effectual way of putting that maxim in pracemployed for the community? It is very cerfrom very coarse red wheat. There is no actice to a very great extent. Farmers know well tain, that, if the practice were as prevalent as I counting for this, except by supposing that wind that it is the Saturday night which empties their pockets; and here is the means of cutting off a good half of the Saturday night. The men have there be any harm if less alum were imported to grind by horses, such as the wheat went into better flour for the same money, and still the farmer keeps at home those profits which would go to the maintaining of the dealers in wheat

take the very finest; and indeed you may have your flour, and your bread of course, of what

degree of fineness you please.

No. 13.

99. In concluding this part of my treatise, 1 cannot help expressing my hope of being instru-mental in inducing a part of the labourers at any rate, to bake their own bread; and, above all things, to abandon the use of "Ireland's lazy roneous opinion relative to this villanous root, fits, and apparent death. that I really began to despair of all hope of The means employed for the preserving and checking its cultivation and use, till I saw the de-maintaining feeble life (says Dr. Struve in his claration, which Mr. Wakefield had the good Asthenology,) are as various as the causes on for three months in winter; but with straw and sense and the spirit to make before the "Agri which it depends, and the disorders with which the corn, which must always be given them, cultural Committee." Be it observed, too, that it is generally accompanied. The first object whether they get straw or hay, they not only Mr. Wakefield had, himself, made a survey of that claims the attention of persons in this state, the state of Ireland. What he saw there did not is warmth; the external application of which or work from seven to eight hours at other laencourage him, doubtless, to be an advocate for ought to be proportioned to the temperature of the growing of this ront of wretchedness. It is the body, and gradually augmented, accordingly when sowing commences. They must, howean undeniable fact, that in the proportion that as the natural warmth of the individual increas-this root is in use, as a substitute for bread, the people are wretched; the reasons for which I stimulating and strengthening properties, by When, therefore, farmer's have explained and inforced, a hundred times which the activity of the vital principle is ex-over. Mr. William Hanning told the Com-cited and supported. The communication of the severe labour of Spring, it is owing to their mittee that the labourers in his part of Somer-warmth may be considerably facilitated by the setshire were "almost wholly supplied with pota- use of the tepid or warm bath, of which we have Peas and bean-straw certainly make the best fod-"toes, breakfast and dinner, brought them in the already spoken.

"fields and nothing but potatoes; and that they used, in better times, to get a certain portion of jects to debilitated persons, is diet; in which rewhich no part of any community can have any wided their conduct be guided by the necessary ted for peas, any extensive cultivation of that shew of right to reduce another part: men so knowledge and experience. In short, to guard grain is impracticable; but where circumstandegraded have no protection; and it is disgrace against excess, and pursue a middle course, will ces are favourable to that crop, peas ought to be long. This degradation has been occasioned by lutary end.
a silent change in the value of the country. Debilitated persons ought to be imperceptibly a silent change in the value of the country. Debilitated persons ought to be imperceptibly This has purloined the wages of the labourer; hardened;—the transition to a severer and more but, thank God! they seem to be approaching to return to his former debilitating habits. their end! Money is resuming its value, labour is recovering its price; let us hope that the wretched potato is disappearing, and that we shall, once is least stimulating, together with a due quantity

the cottagers how to keep a cow all the year they ought to abstain from fat, and milk, unless the oat-straw may be left for the fattening and round, upon the produce of a quarter of an acre, the latter be given immediately after it is drawn straw-yard cattle. Upon turnip farms it is not or, in other words, forty rod, of land; and, in from the cow.

my next, I will make good my promise.

If solid food

GENERAL RULES FOR THE RESTORA-DEBILITY.

lent, even in the bloom of life, and amongst those the body, and increases perspiration. Flannel, Spring; and afterwards hay. who ought to form the most vigorous and robust if worn next the skin, will preserve the human Straw keeps much better part of a nation, may arise from a great variety of causes, of which the following are the principal: tainable by any other substance; and at the same in the admixture, and component parts of the surrounding atmosphere; 3. A sedentary and the sed surrounding atmosphere; 3. A sedentary and indolent mode of life; 4 Immoderate sleep; less disturbed rest than those in perfect health or, in a still more hurtful degree, want of the and vigour. Labour and exercise, adapted to be used as food for stock, should be given, as necessary portion of sleep and repose; 5. Too their habits and strength, will greatly promote speedily as possible after it is thrashed. The

of fineness; so that, for certain purposes, you may great exertions either of mind or body; 6. The that desirable object; likewise the tepid bath; requires exertion.

Debility is the source of numerous disorders, to abandon the use of "Ireland's lazy such as spasms, palsy, violent evacuations, he-Nevertheless, so extensive is the er-morrhages, putrid and nervous fevers, fainting

"bacon and cheese, which on account of their spect much depends on their previous habits and poverty, they do not eat now." It is impossible modes of life. If they carefully attend to the that men can be contented in such a state of peculiarities of their constitution, and observe things: it is unjust to desire them to be content-whatever is to them salutary or hurtful, they may ed: it is a state of misery and degradation to prolong their lives for a considerable time; pro-

it has reduced him by degrees to housel with the invigorating course of life must be so progres-spider and the bat and to feed with the pig. It sive, that the convalescent be not subjected to has changed the habits, and in a great measure, any disagreeable restraint; and this method than tare-hay or even peas-haulm. the character, of the people. The sins of this should likewise be continued for a sufficient terrible system are enormous and undescribable; length of time, during which he ought never to

more see the knife in the labourer's hand, and of the most nutricious vegetables. They may the loaf upon his board.

100. In my next number I shall treat of the thickened with sufficient bread, rice, &c. to renthe thickened with sufficient bread, rice, &c. to renthe farm, whist the lattening and strawalso partake of small portions of flesh broth, yard cattle get the straw of wheat and barley.

11 thickened with sufficient bread, rice, &c. to renthe farm, whilst the lattening and strawalso partake of small portions of flesh broth, yard cattle get the straw of wheat and barley.

12 thickened with sufficient bread, rice, &c. to renthe farm, whilst the lattening and strawalso partake of small portions of flesh broth, yard cattle get the straw of wheat and barley.

13 the lattening and strawalso partake of small portions of flesh broth, yard cattle get the straw of wheat and barley.

14 thickened with sufficient bread, rice, &c. to renthe flesh broth, yard cattle get the straw of wheat and barley.

15 thickened with sufficient bread, rice, &c. to renthe flesh broth, yard cattle get the straw of wheat and barley.

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18 thickened with sufficient bread, ric

aliment, such as eggs, nourishing soups, salop, serve the horses, cows, and fattening stock, for barley broth, shell-fish, &c.; which, if taken in eight or ten weeks immediately before grass, TION AND PRESERVATION OF HEALTH. small quantities, are exceedingly strengthening. Persons of this description ought to accommo-Debility, is that feeble state of life in which date their whole dress to the climate, and chan the vital functions are languidly performed; when the mind loses its cheerfulness and vivacity; when the mind loses its cheerfulness and vivacity; when the limbs are tottering with weakness, and the digestive faculty is impaired.

This complaint, which at present is so prevature to procure a middle temperature between cold and heat; for instance from 60 to 65° of Fahrenheit's scale. Woollen clothing is, in this respect, far preferable to fur; as the latter heats bean-straw, till seed-time commences in the latter heats bean-straw, till seed-time commences in the latter heats.

unnecessary and imprudent use of medicines; a clean, and not too soft couch; an airy, healthy, lastly, the almost total disuse, and exclusion of and capacious apartment; but particularly a gymnastic exercise, and the general introduction calm and composed mind; which last possesses a of sedentary games, the effect of which creates most powerful influence in preserving health and an almost universal apathy to every pursuit that life; for, without tranquillity, all other means will be ineffectual .- [Tegg's Book of Utility.

IMPORTANCE OF STRAW IN HUSBANDRY.

Rules for feeding Horses with Straw.

In regard to horses, they seldom get any hay ver, have hay instead of straw, when the severe

When, therefore, farmer's horses are so much der, when not injured by rain; but if that kind of straw is damaged in harvest, white straw is

Rules for feeding Sheep with Straw.

There is no food of which sheep are fonder than peas-straw. The soil of the pastoral dis-tricts in Scotland, being rarely of a kind calculato form part of a community to which they be-be the best means of accomplishing the most sa-cultivated, were it merely for the straw, as it would enable the store-farmers to carry on their system of sheep-farming with much more advantage. Indeed, the same plan might be advisable in other districts. It might be proper to add, that for ewes at yeaning-time, lentil-hay is better

> Miscellancous Rules and Observations regarding the Consumption of Straw.

On turnip farms in Scotland, it is the usual practice to feed horses till March, where the labour is not severe, and cows through the winter, with oat-straw, whilst the fattening and strawthought profitable to cut the greater part of the If solid food cannot be allowed, or if it irritate clovers for hay. These are usually eaten by the stomach, recourse must be had to gelatinous sheep, and no more hay saved, than what may with a small quantity occasionally given to the sheep fed on turnips.

The expense of feeding even the horses alone,

if kept long, it is, comparatively speaking, of from it, as the kind used for thatch is seldom induced me to enquire the process of dying; the little value as fodder. Lisle, an intelligent writer on agriculture, and a practical farmer, states, ed to in the building of cottages, straw is taken the largest pumpkin that could be obtained, the that he found cows did not eat straw so well on a as the least costly material; but in these days, seed only taken out, the yarn put in, and as Monday morning, as they did the rest of the when manure is so extremely valuable, as little much poak berry juice poured on as the pumpweek, because the straw was not fresh from the straw as possible should be spared for other kin will hold, which should be set away in a flail. Straw, therefore, should be constantly purposes.

The durability of a thatched roof is likewise in about nine days, it produces a permanent and bie; for by keeping, becomes either musty, or too maintained. A good coat of thatch will need brilliant lilac or crimson. dry, and cattle do not eat it, nor thrive on it so very little repair during an ordinary lease. But washed out in sajords. I am induced to make well. It cannot be doubted that air has a very care must be taken that the straw is very clean injurious effect upon all kinds of fodder, and the more it can be kept from the influence of the spring, and introduce putrefaction, and encourage sun and the atmosphere, so much the better. It vermin. The thrashing mill renders straw less rias an useful dye for manufacturing on a large cattle, after the month of March.

When clover is sown with grain crops, the clover has often arrived at such a length, as to mix with the straw, but the ears are cut off, and the with the straw in cutting the crop. This cer-straw, bound in sheaves, and tied very tight is tainly improves the straw in good harvests; but used for thatching. as little clover as possible should be cut with the straw, as it makes it very difficult to secure the crop, unless it be left upon the ground for several

manure; but even alone, when ploughed in or plaiting is the principal manufacture in Bedford-decomposed by pure simple water, it is of use. The quantity thus used is very conside-All the various sorts of straw answer the purpart of purparts of the purpar poses of litter. Some farmers contend, that rye of persons who might otherwise with difficulty straw is the best litter; others prefer the straw find the means of subsistence, of wheat, which absorbs, it is said, so much urine In some districts straw mixe and moisture, that a cart of wheat straw is supposed equal in value to three carts of well-made with the same mixture for the roots of houses, dung. In England, the straw of peas and beans instead of the common mode of thatchi g. is extremely valuable, forming, it is said, when spoiled by bad management, or a most unseason-with the sea-ware, stratum upon stratum, till able season in harvest, as its feeding properties both are exhausted. This is an excellent plan, are there so well known. Littering is of use, not where the sea-weed cannot be immediately apkeeping the animals warm and dry. In fact, cat-when obtained tle cannot be soiled on clovet, or fcd on turnips, Near Glouce without abundance of litter.

There are four modes of converting straw into ash manufactory, and burnt for the ashes. dung, by littering stock :- 1. In stalls or stables; 2. In hammels; 3. In fold-yards; and 4. In open purpose, the chaff of oats is found to be a mate-larts will continue so increase amongst us; and

kind of straw that is used (as some kinds absorb much more moisture than others), and upon the that of packing; and it is proper to observe, that terprise, compatible with general good, and degree of care employed in preparing the dung, the quantity used in packing china and stone-founded upon judicious and patriotic motives, Speaking generally, the original weight of straw ware, in the districts where these manufactories should fail, for want of that intelligence which may be tripled, if the manufacturing process be prevail, as in Staffordshire, is found to be a seriproperly conducted, and the dung applied to the one injury to the farmer.

The utility of Journals and Magazines, bringground before its powers are lessened or exhausted. The quantity of dung which may be made from an acre, especially if the dung arising from clover, turnips, and hay, consumed on a farm, is included in the general stock, will be ments, which are of a nature among the strongest, according to its size, contains from 20 to 35 filal ments, which are of a nature among the strongest, and the dung arising half, who has ascertained that every bean-stalk, according to its size, contains from 20 to 35 filal ments, which are of a nature among the strongest, and the dung arising half them are described in the general stock, will be ments, which are of a nature among the strongest, and the dung arising and in the most durable hitherto discovered. He call the dung arising the dung arising the dung arising the most durable hitherto discovered. He call the dung arising the most durable hitherto discovered. He call the dung arising the most durable hitherto discovered with a stated periods, important and well selected information, and furnishing an account of the latest discoveries in the arts, is intended in the general stock, will be meaning the stock of the latest discoveries in the arts, is intended in the general stock, will be meaning the stock of the latest discoveries in the arts, is intended in the general stock, will be meaning the stock of the latest discoveries in the arts, is intended in the general stock, will be meaning the stock of the latest discoveries in the arts, is intended in the general stock, will be meaning the stock of the latest discoveries in the arts, is intended in the general stock, will be meaning the stock of the latest discoveries in the arts of the latest discoveries in the latest discoveries in the arts of the latest discoveries in the arts of the latest discoveries in

rial for roofing farm buildings and cottages, and was formerly made use of even in towns. The expense of a thatched roof is not great, in so far as respects labour; and the value of the straw

is seldom given as fodder, unless to straw-yard fit for thatch than when it is thrashed by the scale. flail.

In Somersetshire, wheat is seldom thrashed

Miscellaneous uses of Straw.

It is well known that various articles are manufactured from straw, such as bonnets, and other ornaments for the ladies. Even in the re-Straw as aphilicable to Litter. mote county of Caithness, the straw manufacture Straw when mixed with the dung and the urine is carried on. The straw is prepared in London, of cattle, horses, &c. &c. is a rich and excellent and the plait is returned to that market. Straw-

> In some districts straw mixed with clay is used for building the walls of houses or gardens, and

In districts on the sea shore, it is common for well broken by thrashing, a desirable litter for experienced farmers to keep in reserve a consiworking horses, hogs, and other stock; but in derable proportion of their wheat or barley"A Ye r in Europe," &c. &c. Scotland, it is never used as litter, unless it has straw, and to make it into a dung-hill, alternately only for converting straw into manure, but for plied; but it is the best system to plough it in

> Near Gloucester great quantities of bean-haulm as well as common straw, are bought up at a pot-

any farm of decent soil may be manured at the culates that on an average, there are about 200 lbs. workshop and manufactory, are distinguished for

is, to the grower, either the price he could ob- with some yarn in a family, of humble life, the its most essential comforts, and who constitute

thrashing separates and exposes it so much, that tain for it, or that of the dung that could be made colour of which, attracted my attention, which

With respect, I am, sir, Your obedient servant,

Jefferson.on, Culpepper, Va. May 8th, 1824.

> **90** LITERARY.

Proposals have been issued for publishing a new Periodical work in New York, which form its objects as well as the known acquirements and talents of the Editor, we do not hesitate to believe will be highly worthy of publick patronage. The plan and terms of the work, and the views of the Editor will be clearly understood by the following exposition. Subscriptions will be received with pleasure by the Editor of the American Farmer.

Mechanic's and Manufacturer's Magazine. A Monthly Journal, devoted to the Arts and Trades of the United States. Edited by John Griscom, Professor of Mechanical Philosophy and Chem-

The resent Proposal originates in a belief, which has for a long time impressed the Editor's mind, that a JOURNAL, devoted chiefly to the practical arts in this country, might be rendered

minently useful.

Whatever opinions may be entertained, with respect to the policy of encouraging, by statutory regulations and import duties, the manufacsh manufactory, and burnt for the ashes. turing industry of the United States, it cannot Straw is also used for stuffing beds. For that be doubted, that both the useful and the elegant folds, where sheep are littered with straw.

The quantity of dung produced from a given being so much cheaper, chaff beds are almost ly to the prosperity of America, that the true quantity of straw, depends a good deal upon the universally used by the lower orders in Scotland, science and enlightened skill of the country, Another purpose to which straw is applied, is may keep pace with its population ;-that no en-

rate of 12 tons per acre, every third year, from weight of such filaments on an acre, capable of the number and variety of these literary vehicles of science and the arts. Almost every decut with accuracy, and the straw manufactured into dung, in a husbandman-like manner.

Street as at this that to That ships. Straw, as applicable to Thatching.
For many ages straw was the common mateal for roofing farm buildings and cottages, and as formerly made use of even in towns. The
as formerly made use of even in towns. The Sir, mechanics,—to that portion of our citizens on In the course of last autumn, I accidently met whom every class of society is dependent for

and influence of the nation.

To supply this want, and to encourage among pend upon the indications of the subscription days, when the thermometer was placed in a coor this class of our busy population, a taste for list, after due time has been afforded for ascercurrent of air, at 89°; on Monday 94°; Tuesscientific inquiry, and habits of observation, are taining its probable amount.

CONDITIONS.

CONDITIONS.

CONDITIONS. To supply this want, and to encourage among in view. His publication will not consist so much of learned essays on abstract principles of science, (which is the case with most of the philosophical journals of the present day,) as of precepts and details adapted to the capacity of common readers. For this purpose he will avail himself, not only of the various fugitive notices of useful discoveries in our own country, but of the Scientific Journals of Great Britain, France, and other parts of the European Continent. With the most useful, as well as the most popular of these Foreign Journals, he is already familiar, and the means are secured of receiving such others as may contribute to the objects in view. Whatever relates to the real progress of the arts, and to the interests of American ar thing like it on the record. But let us see how tizans and manufacturers, such as accounts of all new discoveries and inventions, economical processes, practical applications of the physical sciences, abridgment of labour, domestic receipts, &c. will come fully within the scope of the proposed Magazine. To these will be added specifications of the most useful patents, both of our own, and of foreign countries, thus giving to the work the advantages of the "Repertory of Arts," a monthly Journal, long established in the British metropolis, and extensively read by practical men. Space will be afforded for Biographical Sketches of eninent mechanics and engineers, and, if the work receive adequate encouragement, portraits, plans, and illustrative drawings, will also be found in its

pages.
Original communications on the practical arts, will at all times receive an attention proportion-

ate to their merits.

Subordinate to the primary objects of this Journal, as above stated, will be another of acknowledged importance, and which will receive all the attention which space and opportunity afford. This is the subject of literary and benevolent institutions. Under the first of these heads may be comprised, notices of improved modes of teaching, -of foreign schools and institutions, distinguished for the excellence of their systems,-of useful school books, treatises on particular branches of learning, and on the moral government of children, and such other col-lateral topics as will tend to enhance, in the public estimation, the importance of the most improved methods of communicating instruction to youth.

A detail of the establishment and progress of

other benificent institutions, such as Hospitals, Houses of Industry, Penitentiaries, &c. can hardly fail, it is presumed, to spread information that may be of service to the cause of hu-

manity in our rapidly improving country.

A monthly Journal, limited to objects of this nature, will not, as the Editor believes, essentially interfere with any known periodical work in the United States. To those of established utility, already in circulation, he wishes every success; and more especially to the American Journal of Science, edited by Professor Silliman, a publication which is doing much for the credit of American science, both at home and

With those particular objects in view, it will be the Editor's aim to render this Magazine an instructive and usclul companion and wor thy of a place, when bound into volumes, among books of practical and useful reference.

Such an enterprise as this is not to be encoun-

support. Its commencement must therefore de- Mercury stood on Sunday, and the following pend upon the indications of the subscription

1. To be delivered to Subscribers in monthly numbers, making a volume every six months, each to contain about 400 pages, in double

2. Price to Subscribers, \$5 per annum, payable in advance.

NEW YORK, June 2. contained an account of an extraordinary trot- January, and ending on the fifth day of April, ting match on Sunbury Common, (Eng.) in har ness. Mr. Giles trotted his mare 28 miles in the short space of one hour and 57 seconds, which it compares with the match between Mr. Somerindike's horse Topgallant and Mr. Coster's mare Betsey Baker, who were matched for one thousand dollars aside, to trot three miles in harness, on the Jamaica road. They started vesterday at one o'clock, the horse drove by Mr. Purdy, and the Mare by Mr. Howard. The horse had the advantage in starting, as he came up hard in hand, and with fine action, a little ahead of the mare. The word was given to start, and the horse led the mare on in fine style, and beat her about 40 yards, performing the three measured English miles in the short space of eight minutes and 42 seconds. Topgallant last sum-mer performed 12 miles on the same road in 39 minutes, beating the celebrated horse Dragon, owned by T. Carter. All three of the above named horses were raised on Long Island. Mr. Purdy trotted the Albany Poney, on the same The two last horses were taken to England, where they have won several matches .- Post. **O**

COTTON SAILS FOR VESSELS.

It is but a few weeks since we announced the discovery that leather might be used with advantage in sheathing vessels. An experihemp, in sails and rigging for vessels.

A Georgia Editor recommends Cotton sails, and says they will last longer than two of Canwith cotton sails, and generally all their small

running rigging was of cotton.

A friend who lately passed through Baltimore on his way to Washington, informed the Editors that he saw there some very fine samples of Cotton Sail Cloth. We should not be surprised if this article were to be extensively substituted for the hempen cloth. Cotton blankets, too, which are very common in Europe, France particularly, will, we have no doubt, before long, supercede, in part at least, the use of the woollen blankets.

0 THERMOMETRICAL OBSERVATIONS.

so large a proportion of the numbers, strength, tered without a tolerable assurance of adequate phere than occurred the present week.—The days, when the thermometer was placed in a cool 36°. In consequence of this remarkable and sudden change at this season of the year, we have had an unusual number of bilious cases of high grade .- Cam. Chron.

> PUBLISHED IN THE AMERICAN FARMER, BY OR-DER OF THE STATE.

A report of the tohacco inspected at and delivered from Pig Point Inspection Warehouse TROTTING.—Last Monday's Evening Post during the quarter, commencing on the 5th day of eighteen hundred and twenty-four.

	Domestic growth.	Growth not of this state,	Rein- spected,	Total.
Number in- spected.	6			6
Number de- livered.	44			44

GASSAWAY PINDELL, Inspector. TREASURY OFFICE, ANNAPOLIS, June 9, 1824. True Copy from the original report on file in

B. HARWOOD, Tr. W. S. Md.

Editorial Correspondence.

AGRICULTURAL REPORT FOR JUNE. Extract of a letter dated Salisbury, Lancaster County, (Pa.) 12th June, 1824.

"Agricultural prospects in this section of the county, are indeed very flattering, and it is hoped that prospects at this period, unless visited by ground, against Mr. Howard, one mile; which Wheat presents a very luxuriant appearance, was performed in two minutes and 40 seconds, and bids fair for an abundant crop; some scat-The Boston Blue horse trotted his eighteen tering fields are partially injured by the fly. Rye miles within the hour; and the Tredwell mare in general, will not be a full crop; upon an average, I am led to suppose it will fall short onethird of a full crop; and I think it will not be so good as the last, by nearly one half, which was more than an abundant one; so much so, that it was difficult to effect sales at any price .- A great quantity yet remains on hand. Spring grain is backward, caused by unfavourable weather in May, though the growth is now vigorous, and ment had been made at New York, and was promises fair. The corn in many fields receives said to be successful. It appears by the follow- its inveterate enemy, the cut worm, with its acing paragraph from the National Intelligencer customed misfortune—he has now taken his its inveterate enemy, the cut worm, with its acthat cotton is found to be a good substitute for aereal flight, and has left his tender victim springing forth anew.-Our clover fields assume the appearance of good old times-this crop is more abundant than any we have had for the vass; that he has sailed on board Portuguese, last six or seven years—for it to require one and last six or seven years-for the last few years it two acres to produce a ton of hay. Such was the drought of the seasons, that it had become discouraging to sow any more clover; but the late favourable season has produced a wide difference—two tons on an average, may very readily be made to the acre at this crop. Timothy is wearing out of use with us considerably, and is acknowledged by all to be an impoverisher of soil, and its place is occupied by orchard grass, which is found to answer full as well for hav, and most certainly much better for pasture.-Lime is working wonders in our clover fields-having limed which I thought the poorest part of a field, upon oats stubbles, and manure? the whole ever alike, with a good coat of barn ward manure, We do not recollect to have ever witnessed a cropped it with wheat, and again with rye, and greater change in the temperature of the atmos- sowed with clover, and now it can be seen to a

growth, and as thick as it possibly can stand, to award the premiums offered for distribution, while on the unlimed, it is of a more delicate at the next Cattle Show, which is to be held appearance, shorter than the other, and its co- on the 25th, 26th, and 27th of October next. lour not so deep a green, rather inclining to yel- As the time is at hand for reaping crops of varilow, and not of so thick a growth."

With respect, your's, &c.

THE FARMER.

BALTIMORE, FRIDAY, JUNE 18, 1824.

pears amongst the transactions of the "Agriculthe Reisterstown Road. tural Society of the Valley" of Shenandoah in Virginia, that J. W. Baylies, Esq. made of Indian Corn, an average crop of sixty-five and seven-eighth bushels, on a field of ten acres—and that Corn, an average crop of sixty-five and seveneighth bushels, on a field of ten acres—and that
on one acre and a quarter, he made one hundred
on one acre and a quarter, he made one hundred and thirty seven bushels.

ing and tillage, at 528 50—as by the tollowing greater than last year. calculation, which we insert to shew those who may be curious to know how labour is valued in that fertile portion of a slave holding State. One 3 horse plough 10 days breaking up,

One yoke oxen, 2 days rolling do at 50 cents, Two horses and heavy barrow 2 days, Two ploughs, 2 hands, and 2 horses, laying off and crossing two days, 37½ cents

each. Planting, six hands engaged one day, labour-saving machine, and two horses, One and a half day's work 2 hands with

double shovel and cultivator, 2 horses, Six day's work, one hand in hoeing, weeding, &c. &c.

Ten days hauling manure, one yoke oxen, two hands,

And for thinning, five hands were employed, who as they thinned the corn, loosened the dirt, about the roots with a pointed stick, about 18 inches,

Total, 28 50

IMPROVED BRIDLE-BITS.—William Zollikoffer, M. D., has invented, and intends nah \$5 373—Do. Wharf \$5 50—Corn Meal, per Post Office. getting a patent for an improvement on the bbl. \$2—Wheat, white, \$1 23 to \$1 20—Do. Red, common bridle-bit-well calculated to prevent \$1 08 to \$1 10-Corn, yellow, 31 cts.-Do. white the horse from catching it in his teeth, as some horses, more particularly vicious ones,

belonging to Mr. Tobias Core, of Frederick County, on the 4th inst. farrowed nineteen pigs at a litter-eighteen are living-eleven being left in her care, and seven taken from her. This is five more than we ever knew to be far rowed at one time before.

TRUSTEES MEETING .- The meeting of the Trustees at Long Green, on Wednesday the 16th inst. was full, and their proceedings interest of 50 to \$3; plenty-no demand.

line, where the limed and unlimed meet—the clo- ing to the Society. Amongst other transactions, veron the limed part, is of a long, green, vigorous the Board completed the appointment of Judges ous kinds, for which premiums have been of-fered, it will be well for Farmers to remember that their grounds must be measured, and this, it may be supposed, many will be induced to do, if it be only for their own satisfaction, whether they atterwards offer for the premiums or not -For the list of Premiums offered, see No. 2, page 10, of this volume of the Farmer.

The next meeting will be held at Lexington, on Wednesday the 7th July, at the residence AGRICULTURAL MEMORANDA .- It ap- of David Williamson, Jr. Esq. at 11, A. M. on

F GRAIN CROPS IN TALBOT COUNTY .- A committed by the fly, the crops are generally He estimates the expense of labour in manur- fine, and that the average product will be

> The Agricultural Board of Trustees held their easy. late meeting on the 3d ult, at the seat of Major Martin upon the Choptank, at which they made much progress in preparatory measures for the appointment of Judges to award the different pre-1 00 miums that will be contended for at the next 1 00 Cattle Show at Easton.

The Trustees were much gratified at seeing the fine lands and improved state of agriculture choice kinds-1 50 exhibited on the Major's farm, and they were particularly pleased with the exhibition of what they considered the finest of all the fine Emperor Colts. The generous hospitality of the establishment, and sumptuous cheer, added not a little to the pleasures of the day, and they ad-journed to meet at the seat of Mr. Thomas Hayward, on Tread Haven.

The Proceedings of the Dorchester Agricul tural Society snall appear in our next.

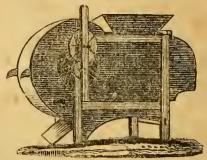
Edit. Am. Far.

PRICES OF COUNTRY PRODUCE—carefully collected every Thursday, for the American Farmer. By ROGERS & STMINGTON.

29 cts.—Rye, pr. bush. 41 cts.—Oats, 25 cents.—B. E. Peas, 55 cents.—White Beans, nonc some horses, more particularly vicious ones, some horses, so rimothy, Ditto \$2 50—Hay, per ton, \$10— Mechanic's and Manufacturer's Magazme"—Trotting—Flax, 10 cts.—Candles, Mould, 123 cts.—Soap, 7 Cotton sails for vessels—Thermometrical observations—cts.—Pork, Mess, \$15—Ditto Prime, \$12—Extract from the Editor's Correspondence, dated Salisbury, Lancaster County, (Pa.) 12th June, 1824—Tolacco Report—Editorial Notices—Prices Current—Advertisements, &c. 8 cts.-Leather, Best Sole, 24 to 27 cts.-Feathers, 35 cts.

> Tobacco .- Bright yellow from Frederick County, sold last week for \$30; in demand and scarce—Red, \$6 to \$12—Do do. Cinnamon or spangled, \$12 to \$20; in demand—Common,

Improved Wheat Fans.



The Subscriber has a quantity of the above kind of Wheat Fans, ready made, and for sale at his Manufactory, Pratt Street Wharf, Bal-timore: And though this Fan is improved in and consequently discharges the dust and cockle much better. The hopper being low, is much more convenient to fill and feed, than those in common use, and is contrived so as to turn very

IN STORE,

200 Bushels of good seed Buck Wheat.

100 lbs. Best Ruta Baga seed.

200 lbs. White Flut, Yellow Bullock, and other Turnip Seeds, which I have had raised from Turnips carefully selected from a field of very

ALSO:

Early York Cabbage, Cauliflower, Bucali, and other good Garden Seeds, suitable for the fall

And as usual a general assortment of Barshare, Woods' and Carey's Ploughs, assorted, Cultivators, Horse Hay Rakes, and Grain Cradles, all of very complete paterns, workman-ship, and materials, and at low prices.

ROBERT SINCLAIR.

Beautiful Bull Calf.

Two months old-Sire a full bred Devon, from an imported cow—Dam, an imported Alderney.— Price \$30. Enquire of W. F. Redding, at the

CONTENTS OF THIS NUMBER.

Printed every Friday at SI per annum, for JOHN S. SKINNER. Editor, by JOSEPH ROBINSON, on the North West corner of Market and Belvidere streets, Baltimore; where every description of Book and Job Printing is executed with nearness and despatch-Orders from a distance for PRINTING or BINDING, with proper directions promptly attended to, addressed to J. Robinson, Baltimore*

AGRICULTURE.

REMARKS ON THE USE AND ABUSE OF RAMS AND THE REARING OF LAMBS,

Made at a time when merino stock was selling at very high prices, but worthy of attention at all times.

Mr. Skinner.

I recollect to have seen in one of the early numbers of your American Farmer, a short practical treatise entitled "five minutes reflection on sheep," extracted from Wiley's Agricultural Museum, published about the year 1810; and having met the other day with some detached sheets of interesting branch of the same subject, and I believe from the same pen; I send it to you for recharacter and habits of our domestic animals.

I remember that I profited about that time by

as well as obtaining the lambs.

In order the more readily to distinguish he large and put on pretty thick, it was found on timed to appear distinctly until the next yearing time. In putting the same to the ewes, I pursued exactly the plan recommended by the Mary lander, without the intervention of the teaser, and began my operations in each year on the pth September. This brought my lumbs to begin to drop about the first week in February.

The number marked on the ewes gave them for

N.P. guard.

May 30th, 1824.

To the Editor of the Agricultural Museum. SIR.

by introducing the Merino blood among the om- day; and as to the ram, although his powers are cept the cock, VOL. 0 .- 14.

cation, if you should deem it worthy of a place that half a dozen ewes are quite as many as he is in your Museum, a paper I had prepared this sum- disposed to pay his respects to, in the course of mer for the use of some of my friends, who twenty-four hours; and that even this provision having procured Merino rams, were anxious to is too great for him, if continued for several days employ them in such a manner, as to obtain their successively. Another error on this subject exstock, as numerously and as rapidly as possible,

When it is considered, that, although very have been lately imported into the United States, that work, I recognised in them a little tract of an and in, as it is termed, a large flock, of the full diately attach himself to some one, and let the publication, should you deem it worth a place in tauce, imported Merino ewes at the prices at tished, which will generally be the case, in the your columns. If not extensively useful, it will be which they have been sold, and will prohably found at least instructive to those curious in the continue to sell, it certainly is an object of economy, as well of money as of time, with the farmer, to make such expenditure as he can afford, in adopting some of the hints given in these two pt- the purchase of a ram, or of rams, and to build in like manner, and for about the same time. In pers, in so much, that from a small flock of thirly his proposed fine wooled stock on the sheep of correction of yet another improper impression, imported Merino ewes, I did not during three the country as a foundation; and economy of mosuccessive years, lose but a single lamb. I vill ney, at least, (taking into view the highest cost with your permission, describe the method I used, of the rams), to obtain from each, every season, founded on the information so acquired, for saving as much service in propagation, as can be had without injuring him.

From my own experience and attentive obserewes at shearing time, as their coats were taken vation, for the last two years, I am entirely satis-off, I placed a number on the side of each, with fied that the ordinary service of a ram may be a small brush dipped in tar. This mark, mide doubled, by attending the hints contained in the be distinguished, not only by the motion of the

paper now communicated.

A MARYLANDER.

30th August, 1811.

Minutes, founded on experience, as to the means of husbanding the vigour of the ram, and best enabling him abundantly to propagate his spe-

First, the habits and propensities of the sheep, the time bying a separate name, and afforder a male and female, in this work of nature, are to cept in very young ewes. On this occasion, the ready means of knowing them from each other, be understood. In our climate, (that of Virginia that of the season of impregnation as at that and Maryland) the ewe is inclined to receive the than that of any of our domestic quadrupeds the of yearing, during the first; the impregnated ram from the 1st of August to the 1st of Novemewes were registered every evening, and when ber; this is the rule; but there are many excepthe latter approached, recurring to the register tions—the inclination occurs partially, on the part and taking the reckoning of twenty one weeks of the ewe, at all seasons of the year, when she I had the expectants for the next four or five is not giving suck, and is in good condition; and days removed from the flock, and put into a small indeed, there are many instances, when she takes hospital shed and lot, provided for the purpose the ram, with a lamb at her side. The season at near the quarters of my people; and in severe which most ewes in a flock, with ordinary keep, weather to guard against the cold during the night desire the ram, is, from the middle of Septem-lated by turns from the most intelligent of ber to the middle of October. It is to be observ-my men, a watch for each night to set up in a ed also, that, although the ram will be readily room, in which was kept a good fire, and furnish-excited, at any season of the year, by the in-ed with two or three baskets lined with wool; stinctive knowledge of an amerous female in his his business was to visit the lying-in hospital company, that he is habitually quiet, regardless every hour between dark and day break, to ad-of the ewes—and found herding with wethers, or minister relief as occasion required, and parti-other rams, at all seasons of the year, except the cularly by bringing into the fire, such weakly or rutting season, before described; at the approach neglected subjects (neglected by the mothers) as of which, (towards the end of July) he becomes neglected subjects (neglected by the mothers) as of which, (towards the end of July) he becomes might occur. For this service I promised a pre restive, is disposed to fight, and begins to run as mium to the man on duty, of a dollar for each it is termed, or to hunt the ewes:—and during lamb that came during his watch and survived a this period, it is extremely difficult to keep them week. The success of the scheme surpassed my apart; they, both ewe and ram, will traverse expectations. The value of the lambs in those extensive tracts, or bound over high fences to days well enabled me to pay the premium, and get together; thence, great precaution and vigimy people so far from considering the duty hard, lance should be used, where a particular breed quarrelled with each other for the turn to be on is to be preserved unmixed. The stories told of the impregnation of a flock of fifty or an hundred ewes by a ram in one night, are extravagant beyond measure. In the first place, it is against nature. As to the female, in a flock of an hun dred ewes, it will be found, on the closest obser A desire to contribute, all in my power, to a vation during the season, that not more than six speedy amelioration of the wool of our courtry, or eight are amorously disposed on any given

mon sheep, has induced me to send you for publi- very great in this way, it will be seen on trial, ists; the general belief seems to be, that a ram is so fast, and so sure, in his operations, that a many of the genuine Merino sheep, of both sexes, single embrace from him suffices, and that he passes rapidly through a flock of expecting fetheir distribution has as yet been but partial, and males, distributing a single favour to each, and that by putting our common ewes to full blood leaving an impregnation for every act of coition—Merino rams, not only great advantage is gained this is not so; let a ram, in full vigour, be put Merino rams, not only great advantage is gained this is not so; let a ram, in full vigour, be put by the very first cross, both in quantity and qua-into a paddock, with half a dozen ewes, each lity of wool, but that by continuing to breed, in equally amorous and passive, and he will immeblood, may be obtained in less time and on much invitations from the rest be what they may, he easier terms, than by acquiring, in the first in- remains constant to his first choice, till she is sacourse of an hour or two, and after she has received him some five or six times at intervals of from ten to twenty minutes; when he seeks another similarly disposed, and remains her attendant as to these matters, it is requisite to remark, that from every mounting, or leap, on the part of the ram, there by no means results a coition, sundry accidents and barriers prevent this; although the action, in a case of failure, is very similar to one attended with success, and of as long, or nearly as long duration, yet to an attentive observer, there is a difference; and the act of coition may male, at the instant of junction, but by his manner immediately on quitting the embrace, it has heen wittily said, host coitum, omne animal triste est hræter Gallum,* this general remark certainly applies to the ram.

As to the ewe, she comes suddenly and rapidly into the disposition to meet her gallant, and then, for the time being, resigns herself entirely to him; not the smallest coyness is observable, except in very youngrewes. On this occasion, the dog not excepted; her inclinations are discoverable if in flock with ewes only, sometimes, though rarely, by her mounting on others, if in company with wethers, they will insanctively fendle on her; when in company with or near the ram, she seeks him, remains near him, and will smell at, and caress him occasionally; but he strong decisive proof of her inclinations is, that when the ram mounts, she remains still, does not attempt to throw him, by moving forward, and will generally while under the ram, bend her head sound towards him; on the contrary, a ewe disinclised, when mounted, uniformly moves forward with quick pace, dislodges the ram at every attempt, and thus presently dismisses him, satisfied that the pursuit is vain; yet will he in this way sue another, and another, through the whole flock, unless arrested by some one really amorous, during greater part of the day and night, constantly exhausting himself by fatigue, and for the want of food, which he rarely takes when in the midst of his female companions. It does not always happen that impregnation is the consequence of coition: with this, as with other animals, there is a degree of uncertainty; in a case of failure the ewe returns to the ram, about the fourteenth day, and sometimes though rarely, this happens more than once to the same individual in a season; it may be reckoned, however, that not more than one in the number of seven or eight will so return. The period of gestation is

^{*} After erjoyment every animal is dejected ex-

Both sexes of this animal copulate at an early age, for the facility of leading, unless he be horned, in ward the end of the season, he ought to be turned at six months, and at suck a ram lamb will im-pregnate; and a ewe will become a mother at be handled by the horns. Between the principal run with the whole flock, in a near and safe pastwelve months, unless precautions are taken to pasture, in which the ewes are kept, and the ture, that he may finish any little part of his work prevent it.

From what las been said, it must be evident, that the same powers of propagation cannot belong to a ram at large with a flock of ewes, that adjoining the ram's paddock, and within the in- and trusty man; and he should be particularly will be possessed by one separated from all, the tervening lot, let there be two pens to receive the instructed to keep the ram quite gentle, and that greater part of the day, admitted occasionally to a few at a time, of such as are disposed to yield, move in, without being crowded, and the other the ewes so closely, whenever he has them about without the labor of running and sueing on his small, in order that, when turned into it, they him, that he may learn to know them, one from part, and left to sleep and feed quietly the rest of will stand so closely, a man may take hold of any the other; this is easily effected, even in a large his time: he may impregnate in the field, runone without racing or struggling; the fences of
ning at large with the ewes, fifty or sixty; if
kept well, and apart, he will certainly do justice
dents by pressing the sheep against corners; they
to an hundred, some think to an hundred and fifty in a season.

and trouble, is the object. By some, teazers are open, on one side, into the smaller; on another, used, to facilitate the process; that is, a common into the ram's paddock; and, on a third, into the more sure. ram is made an instrument wherewith to ascertain intervening lot or pasture. the disposition of the ewes, and as fast as they When the season has come for putting the ewes are found to be in the proper humor, they are to the ram, which each person will determine by taken from him, and put in with the more favored the time he wishes his lambs to drop, all those breeder. This method, without great care, and selected for breeding should be separated from close attention, is hazardous; the teazer may overact his part, and introduce a spurious race: commences, should be well fed, but not excesoveract ins part, and introduce a spiritual race, should be well led, out not excess degrees, to such as are more difficult; we, thereto give an opportunity to such as may chuse to sively, on grain, every morning, at or before day for treated of plain Boiling, and we now proceed adopt it, however, it will be described. There break. At sun rise, the ewes are to be driver up to Roasting:—we shall then gradually unravel, to are two ways of using a teacer: the most ready, into the larger pen, before described: the ram is our culinary students, the art, (and mystery, unare two ways of using a teazer. the most ready, into the larger pen, before described, the rain is our culturary students, the art, (and mystery, unif well watched, is to put him once a day, loose then led up, and, through the gate that commutil developed in this work) of making with the among the ewes, in a small pasture, having first nicates, is turned in to them, for half an hour less trouble and expense, the most highly-fixed on him an apron, to prevent mischief, and or thereabout, during which time, an attentive colored it with a little dry plant, described in the first part of this paper. Let the young Cook never forget, that Cleanblack, that he may leave his mark on each ewe described in the first part of this paper, which of Liness is the chief cardinal virtue of the Kitchwilling to receive him: this apron is made of the ewes are inclined, and will learn to put his en;—the first preparation for Roasting is to take stout linen cloth, about fifteen or eighteen inches eye on some distinguishing mark on each, where-care that the spit be properly cleaned with sand stout linen cloth, about fifteen or eighteen inches eye on some distinguishing mark on each, wheresquare; and by means of two strings, is, at one by to know her, at least until she can be caught,
end, fastened round the body of the sheep, (a
ribbon of the wool, an inch wide, being first taken
off, all round the part to which the apron is to
be secured, to prevent its slipping,) the rest is
loose, so that when he stands in his ordinary position, the apron hangs down perpendicularly just
forward of the parts of generation, and touching
lampblack, or something of the kind, rubbed on
lampblack, or something of the kind, rubbed on
secured. The less the spit is
passed through the meat the better,* and before
lampblack, or something of the kind, rubbed on
and loins—that the carver may separate them
the ground, when de stands in his ordinary position, the apron hangs down perpendicularly just
forward of the parts of generation, and touching
lampblack, or something of the kind, rubbed on
source that the spit be properly cleaned with sand
and water; nothing else. When it has been well
scourced with this, dry it with a scource with this, dry it with a clean cloth. If
four or five may be so selected, the keeper takes
sourced with this, dry it with a scource with this, dry it with a clean cloth. If
four or five may be so selected, the keeper takes
sourced with this, dry it with a scource with this scource with this and water; nothing and w above described.

been tried, and found to succeed entirely, is reone or two wethers for company, at least a month been marked by the ram, and thus passed into ironnongers, is a valuable instrument for roast-before the season commences, and well fed on the distant pasture, they should be returned to ing grain, Indian corn, hominy, oats, &cc. twice a day, their former station, and made to revisit the ram, and dutch oven, is another very convenient utenso as to get him in high order, and quite gentle; las described in the first instance; when some will sit, for roasting light joints, or warning them up.

ram's paddock, there should be, if it can be con- left accidentally undone. veniently provided, an intervening lot or pasture, so that the ewes may be at feed out of his sight; the season, should be confided to some intelligent ram's paddock; so that the fence of the paddock To effect our purposes, then, with the most form a side of each pen; by means of three small day, of the keeper's time, to attend to his sheep. safety and certainty, and with the least expense gates, or sets of slip hars, the larger pen should But in this, as in other matters, the superinten-

the ground: when he mounts, the apron falls with the hand, dismisses him. The ewes are then easily and neatly, and take especial care it be back, covers those parts, as he rises, and be-turned into the smaller pen, and as many as have evenly balanced on the spit, that its motion may comes a complete barrier to his access. The been observed to be properly disposed, but not be regular, and the fire operate equally on each other, and the safest, mode of employing the exceeding four, are turned in with him, there to part of it;-therefore, be provided with balanservices of a teazer, is, to have him confined in remain till the evening. The flock of ewes are cing skewers, and cookholds, and see it is properable, secure, but open fenced little pen, adjoining the enclosure in which the ewes are passioning the enclosure in which the ewes are passion to the enclosure in which the ewes are passion to the enclosure in which the ewes are passion to the enclosure in which the ewes are passion to the enclosure in which the ewes are passion to the enclosure in which the ewes are passion to the enclosure in which the ewes are passion to the enclosure in which the ewes are passion to the enclosure in which the ewes are passion to the enclosure in which the ewes are passion to the enclosure in which the ewes are passion to the enclosure in which the ewes are passion to the enclosure in which the ewes are passion to the enclosure in which the ewes are passion to the enclosure in which the ewes are passion to the enclosure in th joining the enclosure in which the ewes are pas- morning, when the same operation is repeated tured and exactly against his pen, and within The ewes left with the ram, are taken from him ventilate the meat from its own fumes, and by the the swes' enclosure, to have another pen open- an hour or two before sun set. Those that have radiant heat of a clear glowing fire, otherwise it ins, by means of a small gate, into that enclosure, been served, as will be seen by the mark his is in fact baked; the machines the economical of that the ewes, when the gate is left open, may, painted breast will have left on their backs grate-makers call ROASTERS, are, in plain Engby entering this last pen, approach the ram, should be put into a distant and separate pasture lish, ovens. within the thickness of the fence, see him, &c. and those not served, if any, returned to the flock Count Ru they should be driven up to that part of the field they came from. This operation being repeated mist of fuel, when he contrived these things,—once or twice a day, when it will be seen that daily, will gradually diminish the number of vinthose disposed to take the ram, will be found siting ewes, and make every selection easier both. "According to Cocker" may vote for baked vichankering about the teazer, and generally in the to the ram and the keeper; and another advanpen, prepared for the convenience of catching, as tage is, that by withdrawing the served ewes, for In preference, the following process, having more apt to conceive: when his female compan-roasting by a string is necessary. Let the cook, een tried, and found to succeed entirely, is re- ions are taken from him, the ram will feed and before she puts her meat down to the fire, pass a commended, as the most safe, though not quite recruit, and at sun set he should have another grong skewer through each end of the joint: by so advantageous to the breeding ram. In the first good bait of grain; under this treatment, if he his means, when it is about half done, she can place, for this system, (as for that where the is hearty and vigorous, he will remain in good with ease turn the bottom unwards; the gravy teazer is employed,) let there be provided a condition, throughout the season. Should, at any will then flow to the furt which has been upperpaddock of an acre or two of good grass, continue, his vigor be perceived to flag, the daily most and the whole joint be deliciously gravy-taining shade and water, and well fenced, for provision of the ewes should be lessened. After ful. four stock ram; here let him be confined with the whole, or nearly the whole flock shall have. A bottle-jack, as it is termed by the furnishing

twenty-one weeks, two or three days more or less. he should wear a leathern collar about his neck, again be found disposed to take him; and finally, to-

will not require more than one or two hours, per dance of the master will make all more safe and

RUDIMENTS OF COOKERY.

ROASTING.

In all studies it is the best practice to begin wth the plainest and easier parts; and so on by degrees, to such as are more difficult; we, there-

Count Rumford was certainly an exact econo-

* Small families have not always the convea time, from the sight of the ram, they will be hience of roasting with a shit,-a remark upon

uals; -but the rational epicure, who has been a graduated spit-rack to regulate the distance is basted, the less time it will take, as it keeps

All your attention in roasting will be thrown away, if you do not take care that your meat, es- fuel is employed, allows three times the weight of ten or fifteen minutes for the former, and about necially beef, has been kept long enough to be ten-

Make up the FIRE in time: let it be proportioned to the dinner to be dressed, and about three or four inches longer, at each end, than the thing to be roasted-or the ends of the meat cannot be done nice and brown.

A cook must be as particular to the proportion her fire to the business she has to do, as a chemist -the degree of heat most desirable for dressing the different sorts of food ought to be attended to with the utmost precision.

The fire, that is but just sufficient to receive the noble sirloin, (No. 19) will parch up a light-

er joint.

From half an hour, to an hour, before you begin to roast, prepare the fire, by putting a few coals on, which will be sufficiently lighted by the time you wish to make use of your fire; -between the bars, and on the top, put small or large coats, according to the bulk of the joint, and the time the fire is required to be strong; -after which, throw the cinders (wetted) at the back.

Never put meat down to be burnt up by fire, if you can possibly avoid it ;-but should the fire become herce, place the spit at a considerable

distance, and allow a little more time.

Preserve the FAT, by covering it with paper for this purpose, called "Kitchen Paper," and tie it on with hine twine; pins and skewers can by no means be allowed, they are so many taps, to let out the gravy : besides, the paper often jury of the meat.

In the thing to be roasted be thin and tender, the fire should be little and brisk; when owhave a large joint to roast, make up a sound, strong fire, equally good, in every part of the grate-or your meat cannot be equally roasted, nor have that uniform colour which constitutes the beauty of good roasting.

Give the fire a good stirring before you lay the joint down; examine it from time to time, while the spit is going round; keep it clear at the bottom, and take care there are no smoky coals in the front, which will spoil the look and taste of the meat, and hinder it from roasting evenly.

When the joint to be roasted, is thicker at one end than the other, place the slanting, with the

thickest part nearest the fire.

Do not put meat too near the fire at first the larger the joint the further it must be kept from the re:-if once it gets scerched, the outside will become hard, and acquire a disagreeable empyreumatic taste; and the fire being prepear done, before it is little more than half done, besides losing the pale brown colour, which it is the beauty of roasted meet to ave.

From 14 to 10 inches is the usual distance at down: it is extremely difficult to offer any thing but, when the meat is rich, and yields much of it, like an accurate general rule for this, -it depends it is aft to be shilt in basting .- To clarify Driftso much upon the size of the fire, and of that of

the thing to be roasted.

Till some culinary philosopher shall invent a thermometer to ascertain the heat of the fire, and

accustomed to enjoy BEEF well ROASTED, will from it, the process of ROASTING is attended by the meat soft and mellow on the outside and the soon be convinced, that the poet who wrote our so many ever-varying circumstances, that it fire acts with more force upon it. national ballad at the end of this chapter, was must remain among those which can only be pernot inspired by Sir Benjamin Thompson's cook-formed well, by frequent practice and attentive is ordered-but to the moment the Roasts will be observation.

> Wood, that he does of Newcastle Coals—and as long for the latter, more or less according to a bushel of Newcastle Coals, which weighs 3 of the temptations the "Bon Gour" of these prea Cwt. is reckoned to produce as much heat as a ceding courses has to attract their attention.
>
> Cwt. of Scottish or Glasgow Coal."
>
> When the Joint is half done, remove the

oil is not wiped off again, it will gather dust; to the Browning :- when the steam from the meat prevent this, as soon as you have done roasting, draws towards the fire, it is a sign of its being cover it up .- Never leave the winders on whilst done enough; but you will be the best judge of the Jack is going round, unless you do it, as Swift says, "that it may the off, and knock those troublesome servants on the head who will be crowd- spit has been from it. ing round your kitchen fire.

Be very careful to place the Dripping-Pan at such a distance from the fire, as just to catch the it nearer the fire to brown it. If you wish to drippings: if it is too near, the ashes will fall FROTH it,—baste it, and dredge it with flour careinto it, and spoil the Drippings* (which we shall fully; you cannot do this delicately nice without a hereafter shew, will occasionally be found an ex- very good light; the common fault seems to be arise when the fat falls on the live cinders.

The time Meat will take Roasting will vary according to the time it has been kept, and the temperature of the weather :- the same weight will be twenty minutes, or half an hour longer in Cold Weather, than it will in warm—and if possessed in its favour at first sight. fresh killed, than if it has been kept till it is ten- A good cook, is as anxiously atte fresh killed, than if it has been kept till it is tender. Cooks seldem calculate according to the appearance and colour of her Roasts, as a Court

variations of temperature, &c.

A goon Meat Screen, is a great saver of starts from them and catches fire to the grent in- coals It should be on wheels, have a flap top, and not be less than about three feet and a half wide, and with shelves in it, about one foot deep -it will then answer all the purposes of a large Dutch oven, Plate Warmer, Hot Hearth, &c Some are made with a door behind-this is convenient-but the great heat they are exposed to. soon shrinks the materials, and the current of air through the cracks cannot be prevented-so they are better without the door.

Every body knows the advantage of Slow Boiling-Slow Roasting is equally important.

It is difficult to give any specific RULE for TIME ;-but if your fire is made as before directed,—your Meat Skreen sufficiently large to guard what you are dressing from currents of air, -and the meat is not frosted, -you cannot do better than follow the old general rule of allowing rather more than a Quarter of an hour to the Pound; a little more or less, according to the describe the process, and teach temperature of the weather,-and in proportion as the piece is thick or thin,-the strength of the fire,-the nearness of the meat to it,-and the vented from penetrating into it, the meat will ap- frequency with which you baste it; the more it

* This the Good Housesvife will take up occasionally, and pass through a sieve into a stone pan: -by leaving it all in the Driphing pan, until the which meat is put from the grate, when first put meat is taken up, it not only becomes very strong, pings, sec No 83.

† Insist upon the Butcher fixing a Ticket of

Reckon the time, not to the hour when dinner oservation.

"Mr. Watt, for his steam engines where wood to sip soup, and eat fish first; you may allow them

Cwt. of Scottish or Glasgow Coal."

When the Joint is half done, remove the Spit and Dripping Pan back, and stir up your fire clean as possible, oil it, and then wipe it; if the thoroughly, that it may burn clear and bright for that, from the time it has been down, the strength of the fire you have used, and the distance your

Hulf an hour before your meat is done, make some GRAVY, and just before you take it up, put collent substitute for butter or lard.) If it is too using too much flour; the meat should have a far from the fire to catch them, you will not only fine light varnish of froth; not the appearance of lose your drippings, but the meat will be black-being covered with a paste; -those who are har. ened, and spoiled by the fætid smoke, which will neutar about the Froth, use butter instead of dripping;

" And send up what you roast, with relish-giving Froth,"

says Dr. King, and present such an agreeable appearance to the eye, that the palate may be pre-

Beauty is to her complexion at a Birthday Ball.

Though roasting is one of the most common, and is generally considered one of the most easy and simple processes of cookery,-it requires more unremitting attention to perform it perfectly well, than it does to make most made dishes.

That Made-dishes are the most difficult preparations, deserves to be reckoned among the Culinary Vulgar Lerors ;-in plain roasting and boiling, it is not easy to repair a mistake once made; and all the discretion and attention of a steady careful cook, must be unremittingly upon the alert.

A diligent attention to time, -the distance of the meat from, and judicious management of the fire, and frequent bastings -- all the general rules we can prescribe. We shall deliver particular rules for particular things, as the several articles occur, and do our utmost endeavours to instruct our readers as completely as words can

"The management of common things so well, That what was thought the meanest shall excel; That Cook's to British palates most complete, Whose saviry skill gives zest to common ment: For what are your soups—your ragonts—and your sauce, Compared to the fare of Old England, And old English Roast Beef!"

§ When the steam begins to arise, it is a proof hat the whole joint is thoroughly saturated with hat; any unnecessary evaporation, is a waste of the best nourishment of the meat

| Our ancestors were very particular in their Bastings and Diedgings, as will be seen by the following quotation from "May's Accomplished Cook." London 1665, p. 136.—" The rarest ways of dressing of all manner of roast meats, either flesh or fowl, by sea or land, and divers ways of breading or dredging meats to prevent the gravy from too much evaporating."

It there is more fat than you think will be it. (No. 83.)

the weight to each j int

‡ If the meat is frozen, the usual practice is
to put it in Cold Water till it is thawed, then dry
and rough as usual:—cat we recommend you to caten with the lean-trim it off, it will make an bring it into the kitchen the night before, or early excellent pudding. (No. 551, or 554) Or darify in the morning of the day you want to roast it, and the warm air will thaw it much better.

like meat thoroughly Roasted.

Some good housewives order very large joints to be rather under done-as they then make a

better Hash or Broil.

Soup and Fish are taken off, the table. DREDGINGS.

1. Flour mixed with grated bread.

with grated bread.

or flour.

6. For young pigs, grated bread or flour mix-6. For young pigs, grated bread or flour mix-ed with beaten nutmeg, ginger, pepper, sugar, when made, it is to be formed into a lump in the and yolks of eggs.
7. Sugar, bread, and salt mixed.

BASTINGS.

sweet herbs, butter and claret, especially for mut ton and lamb. 4. Water and salt. 5. Cream and melted butter, especially for a flayed hig. oranges.

Homestic Economy.

FROM COBBETT'S COTTAGE ECONOMY.

BREAD MAKING.

101. In the last number, at paragraph 86, I obscreed, that I hoped it was unnecesary for me to give any directions as to the mere act of making bread. But several correspondents in-form me, that without these directions, a conviction of the utility of baking bread at home is of no use to them. Therefore I shall here give

perform this act.

102. Suppose the quantity to be a bushel of Pour this into the hole in the heap of flour, Then flour enough to make it form a thin batter, which of the weather as to heat and cold. When you going on. perceive that the batter has risen enough to make cracks in the flour that you covered it over with, plague, or trouble in all this? Here is no dirt, a voracious appetite, or a total want of it; diffiyou begin to form the whole mass into dough, no filth, no rubbish, no litter, no slop. And, pray, thus: you begin round the hole containing the what can be pleasanter to behold? Talk, inand often vomiting. The breath and excrements batter, working the flour into the batter, and deed, of your pantomines and gandy shows; of such children are unusually fetid; they seldom pouring in, as it is wanted to make the flour mix your processions and installations and coronaction cough from the breast, but make efforts to vomit, with the batter, soft water milk-warm, or milk, tions! Give me, for a beautiful sight, a neutand of the warm of the breast, but make efforts to vomit, and throw up a viscid phiegin; in consequence as hereafter to be mentioned. Before you begin smart woman, heating her oven and setting in her of which, they remain easy for a longer time this, you scatter the salt over the heap at the bread! And, if the bustle do make the sign of than usual. Their tongue is always impure, and you have got the whole sufficiently moist, you would not kiss that off, rather than lick the plas-knead it well. This is a grand part of the busi-ter from the check of a duchess!

without phials and gallipots.

middle of the trough, and, with a little dry flour thinly scattered over it, covered over again to be kept warm and to ferment; and in this state, it 1. Fresh butter. 2. Clarified suet. 3. Mineed all be done rightly, it will not have to remain more than about fifteen or twenty minutes.

104. In the mean while the oven is to be heated; and this is much more than half the art of 6. Yolks of eggs, grated biscuit, and juice of the operation. When an oven is properly heated can be known only by actual observation. way of rule; that the fuel (I am supposing a brick oven) should be dry (not rotten) wood, and not mere brush-wood, but rather faggot-sticks. If larger wood, it ought to be split up into sticks not more than two or two and a half inches through. Brush-wood that is strong, not green, and not too old, if it be hard in its nature and has some sticks in it, may do. The woody parts of Furze, or Ling, will heat an oven very well. But, the thing those directions, receiving my instructions here from one, who, I thank God, does know how to so that the even way he heated in show for so that the oven may be heated in about fifteen minutes, and retain its heat sufficiently long.

bushel) a pint of good fresh yeast, mix it and ment, take the dough out upon the lid of the bastirit well up in a pint of soft water milk-warm. king trough, or some proper place, cut it up into from a catarrhal and scrophulous disposition; take a spoon and work it round the outside of this again in these separate parcels; and, as you go on, mours in the lungs, &c. body of moisture so as to bring into it by degrees shaking a little flour over your board, to prevent the dough adhering toit. The loaves should be put you must stir about well for a minute or two into the oven as quickly as possible after they are Then take a handful of flour and scatter it thinly formed; when in, the oven-lid, or door, should formed; when in, the oven-lid, or door, should be fastened up very closely; and, if all be proover the head of this batter, so as to hide it, be fastened up very closely; and, if all be pro-Then cover the whole over with a cloth to keep perly managed, loaves of about the size of quarit warm; and this covering, as well as the situation of the trough as to distance from the fire two hours. But, they usually take down the lid, ral, proceeds from a foul and disordered stomach, must depend on the nature of the place and state and look at the bread, in order to see how it is

rate of half a found to a bushel of flour. When labour glisten on her brow, where is the man that the cough increases in violence after meals,

* * Take Notice, that the time given in the ucss; for, unless the dough be well worked, following Receifts is calculated for those, who there will be little round lumps of flour in the wholesome food, sufficient for a considerable faloaves; and, hesides the original batter, which is mily; for a week, prepared in three or four to give fermentation to the whole, will not be hours. To get this quantity of food, fit to be eat-duly mixed. The dough must, therefore, be well en, in the shape of potatoes, how many fires; worked. The fists must go heartily into it. It what a washing, what a boiling, what a peeling, To make GRAVY for Roasts, see No. 326.

N. B. ROASTS, must not be put on, till the and pressed out again, until it be completely tage everlastingly in a litter; the woman's mixed, and formed into a stiff and tough dough. This is labour, mind. I have never quite liked grimed up to the eyes with dust fixed on by the baker's bread since I saw a great heavy fellow, potato-starch; and ragged as colts, the poor 2. Sweet herbs dried and powdered, and mixed in a bake-house in France, kneading hread with mother's time all being devoted to the everlastic his naked feet! His feet looked very white to ing boiling of the pot! Can any man who knows 3. Lemon fixed and founded, or orange be sure; whether they were of that colour began thing of the flatourer's life, deny this? And fixed with flour.

4. Sugar fixely flowdered, and mixed with founded cinnamon, and flour, or grated bread in England! It is labour; but what is exercise have, all their lives been moving from garret to 5. Fennel seeds, corianders, cinnamon, and su- other than labour! Let a young woman make a garret, who have seldom seen the sun, and never gar, finely beaten, and mixed with grated bread bushel once a week, and she will do very well the dew except in print; will any budy except these men say, that the people ought to be And taught to use potatoes as a substitute for breud!

()

GENERAL RULES FOR THE RESTORATION AND PRESERVATION OF HEALTH.

On Coughs.

Cough is a violent, often involuntary, and sonorous expiration, suddenly expelling the air through the contracted glottis. It is excited by any acrid substance, either chemically or mecha-Women who understand the matter, know when nically applied to those passages through which the heat is right the moment they put their faces the air enters. These are lined with a membrane within a yard of the oven-mouth; and once or mildest stimulated that it cannot bear the twice observing is enough for any person of commildest stimulus, such as a drop of cold water, mon capacity. But this much may be said in the without throwing the muscles serving for respiration, into a violent convulsion. Hence the air is expelled with a force sufficient to carry along with it the irritating substance; and thus a cough becomes not only useful, but indispensably necessary for the preservation of life: as this effort frees the lungs from every kind of stimulating matter, or foulness, which might otherwise be attended with suffocation. A cough is, therefore, an almost inseparable companion of every inflammation of the lungs, as well as every diffionly of breathing; nay, it frequently takes place, when the purest air enters an excoriated flour. Put this flour into a trough that people have for the purpose, or, it may be in a clean smooth tub of any shape, if not too deep, and sufficiently large. Make a pretty deep hole in both are ready, take out the fire and wipe the middle of this heap of flour. Take (for a purpose) when the middle of this heap of flour. Take (for a purpose) when the lamp about the same most tructions of the abdominal viscera; acrimony to be flour. sore, or too sensible windpipe, and its tender structions of the abdominal viscera; acrimony closging the glands, and originating frequently pieces, and make it up into loaves, kneading it hysteric weakness; accumulation of sharp hu-

From this view of the causes which produce coughs, it will not be expected that we should expatiate on the treatment of the complaint, underevery form and variety of circumstances: we shall therefore consider it under the following

heads:

in consequence of too viscid and superfluous food, such as porridge, puddings, cakes, gingerbread, 106. And, what is there, worthy of the name of confectionary, &c. It is accompanied either with

For the cure of this troublesome complaint, there are no better remedies than gentle emetics, occasionally take a large tea-spoonful of this considerably lessen the quantity of salival human returned and reported the following dramature; namely, syrup of squills and rose-water, mour, and thus prevent, or shorten many fits of constitution, which was read and adopted.

Article 1st. The society shall be grains; and ipecacuanha, two grains. The dose may be repeated every half hour, for three or cured by the usual mode of administering oily four times, till it produces vomiting; and in children two or three years of age, it may be some deed, such medicines may be serviceable, to what increased, but never to exceed a dessert sweeten the acrid humours then secreted, and to spoonful. After the medicine has operated, a allay the irritation. But as the compounds of clyster, composed of milk and water, with a little oil, spermaceti, &c. easily turn rancid, and even oil and sugar, ought to be given, and repeated in a fresh state impair the appetite, and affect every other, or third day, while a sparing diet the breast, we consider them as extremely preshould be strictly observed.

arises from the disordered organs of digestion, substances, to all liquid preparations. If, howeand is frequently the constant lot of tipplers of ver, the cough has made such progress, as not to spirituous liquors, and habitual drunkards. At yield to the treatment here alluded to, in this its commencement there is little or no expectora-case we can confidently recommend the use of tion; and an inclination to vomit generally pre-cedes a fit of coughing.—The treatment of this olive oil, two ounces of syrup of capillaire, one malady is similar to that of the same species in ounce of conserve of roses, and thirty drops of transaction of business. children; but if the paroxysms should be so sestrong oil of vitriol; mix them properly, and transaction of business.

5th. The President, we are stoot threaten sufficient, we advise, from take a tea-spoonful or two, frequently. These vere as to threaten suffocation, we advise, from take a tea-spoonful or two, frequently. experience, small doses of calcined zinc, from ingredients form an excellent medicine for adults; half a grain, to one grain at a time, to be taken but, for children, we would prefer a julep prein a spoonful of luke-warm water, and to be re- pared of eight ounces of rose-water, four ounces peated, if necessary, every five or ten minutes.

winter season. Its immediate cause is a defluxion companied with thirst and febrile heat. In the of humours from the salival glands, chiefly on latter cases, the julep should be diluted with tions of the society, and take charge of their the trachea or windpipe; thus irritating the sweet whey, which of itself is an incomparable books and papers. throat and producing fits of coughing. The beverage in catarrhal affections. throat and producing fits of coughing. continuance of such efforts to expel superfluous matter, generates another cause of the complaint; for when this humour glides down into the airUnzer, of Hamburgh, and the physicians of that lungs it fills many of their conjects. vessels of the lungs, it fills many of their cavities, city, as being of inestimable value in all obstiand becomes, in a manner inspissated, by the nate catarrhs, stagnations, and accumulations of correspond with societies or individuals, as occontinual exhalations of its minutest parts in reshumours in the breast; dry coughs; and severe casion may dictate, for agricultural information. piration. The salival humour, thus thickened, bruises near the pectoral vessels, from which by the joint action of the lungs and the air in suppurations and ulcers may be apprehended. breathing, is occasionally raised and brought into This medicine is a simple decoction of the Calathe mouth, so, that in its passages it excites a fit guala, a root lately imported from South America, of coughing. In this situation, especially after and now universally preferred to the seneka or eatching cold, and, with a view to prevent, ratherake root, which was formerly used for er than to cure, a catarrhal cough, the late Dr. similar purposes. Dr. Unzer directs two drachms Lobb suggested a remedy, which simply consists of the calaguals to be boiled in a quart of water, in chewing any kind of dry aliment. As the action of the muscles, in mastication, excites the several cups of the strained decoction instead of salival glands, and all other adjacent glandules, tea. When taken sufficiently strong, and for a to discharge their continued humour, and to mix proper length of time, it evidently acts on the it with dry food, before it is conveyed to the skin and kidnies, by determining the noxious stomach, where it cannot fail to promote diges-humours to those outlets. He cautions, however, tion, he concludes, that in this manner, a much against a spurious species of that root, which is smaller quantity of the salival humour will fall frequently sold by druggists, instead of the genuinto the air-vessels of the lungs, and thus the ine; and an account of which is given by M. Galproximate causes of the cough be gradually coun-metti, an Italian writer. teracted. Hence Dr. Lobb advised his patients to use biscuits of all sorts, though hard bread or crust will answer the same purpose: 1. To eat some mouthfuls of dry food previously to going to bed, which often prevents those fits of coughing that would otherwise disturb their sleep. To resort to the same remedy in the morning, zens of Dorchester county, held at Ridgaway's when it will convey the salival humour into the tavern, on Monday, the 31st May, 1824, by invistomach. S. To repeat it every time during the tation in the Cambridge Chronicle. day, when, by a tickling in the throat, they apprehend the approach of a fit of coughing. By such practices, he observes, great benefit has Dr. J. E. Muse, having explained the object been derived by himself and others. We are, of the meeting, the following resolutions were however, inclined to think, that it will be useful adopted. only at the commencement of the complaint. And the Doctor likewise adds, that to a patient appetite, and perhaps sunk down into a consumption, it is not so effectual, though always of chester county: some service. Those who cannot possibly swallow any kind of solid food, he advises, at least, to chew dry aliment, at the times before specifi-

A child under one year old, may ed, and again to part with it: this expedient will

diluent, and demulcent remedies. At first, incarious: hence we would prefer the chewing of II. The convulsive cough of adults, likewise the extract of liquorice, gum arabic, and similar eated, if necessary, every five or ten minutes. of syrup of dry roses, and six drops of vitriolic acid; to be taken by spoonfuls, as often as occacommon, and very frequent, especially in the sion may require, especially if the cough be ac-

Tegg's Book of Utility.



Dorchester Agricultural Society. Ar a highly respectable meeting of the citi-

Col. Wm. Hughlett, was called to the chair, and Dr. Thomas Woolford, appointed sccretary

Dr. J. E. Muse, having explained the object

Resolved, That a committee of three be aplong afflicted with it, totally deprived of his pointed to draft and report a constitution, for the government of the Agricultural Society of Dor- be distributed for signatures.

Dr. J. E. MUSE,
WM. W. ECCLESTON, Esq. Committee. Thomas Woolford, Sec'ry.
Main INO MITCHELL
Committee. May 51 1824 Major JNO. MITCHELL,

The committee having retired for a short time, returned and reported the following draft of a

ARTICLE 1st. The society shall be styled 'The Dorchester Agricultural Society."

2nd. Citizens of the county shall become members of the society, upon the payment of three dollars annually in advance, to the Treasurer, upon the day of the annual meeting, and subscribing these articles.

3rd. The officers of the society shall be a President, two Vice-Presidents, a Secretary, Treasurer, and twelve Curators; and they shall be elected forthwith, by hallot, for a term ending on the annual meeting of the next ensuing year, which shall be held in Cambridge, on the second Monday and Tuesday of October, and annually thereafter on the same days.

4th. The Curators (four making a quorum,) shall, with the President, who shall preside in the society, at its meetings, or in his absence, one of the Vice-Presidents, constitute a Board for the

5th. The President, Vice-Presidents, Secretary and Treasurer, shall be ex-officio a committee of correspondence.

6th. The President may call a meeting, when he may deem it advisable, having first given at least, eighty days, notice thereof, in the Cambridge Chronicle.

7th. The Secretary shall record the transac-

8th. The Treasurer shall take charge of the

9th. The committee of correspondence, shall

10th. The Board may appropriate the funds of the society, at their discretion, for agricultural objects, the purchase of a library, exhibitions, or whatever may be in their judgment, the most conducive to advance the science, or the art of agriculture.

11th. The officers shall continue to act until a new election shall have been made.

12th. At any annual meeting, this constitution may be altered by the consent of two thirds of

The society having complied with the articles of the constitution respecting membership, proceeded to elect their officers:-Upon balloting the following gentlemen were elected.

JOS. E. MUSE, President. THOS. WOOLFORD, \{\) Vice-Presidents. LEVIN LAKE, THOS. LOCKERMAN, Treasurer. JNO. H. HOOPER, Secretary. CURATORS.

Chas. Goldsborough, | Thomas Ennalls, John C. Henry, Jos. Nichols, 11 m. Hughlett, John N. Steele, James Thompson, Henry Keene.
John Williams, Thos. J. H. Eccleston, Jas. Pattison, 7. P. John Mitchell,

Resolved, That the proceedings be signed by the Chairman and attested by the Secretary, and published in the Cambridge Chronicle, American Farmer, Easton Gazette, and Star.

Resolved, That fifty copies of the constitution be printed at the Cambridge Chronicle office, to

WILLIAM HUGHLETT, Chair'n.

Cambridge, May 31, 1824.

FOR THE AMERICAN FARMER.

BOTANICAL SKETCH of the principal gramina useful, or likely to become useful, in husbandry. No. II.

Before I enter upon the promised delineations of the most interesting genera, species, and varieties of the vegetable family under consideration, I beg leave to refer the reader to the Essay on the Geography of plants, &c. and to the Prolegomena de distributione geographica plantarum, &c. of the illustrious Alexander De Humboldt, who may justly be called the scientific luminary of both hemispheres. The isothermous parallels, 3. Holcus Bicolor. Lin. or lines of equal average annual heat, which he has established, will be found of infinite use to fix hitherto vague and unsteady views on the subject of vegetable geography; and the results derived from the researches of the ingenious and 4. Holcus Saccharatus. learned author, cannot fail of affording to the inquisitive the liveliest gratification.

In North America, and in countries under the same isothermous para!lels, the number of gramineous is to the totality of phanerogamous plants, 6. Holcus avenaceus. Schr. Rall oat grass.

nearly in the proportion of one to ten—according to Avena elatior. Lin. nearly in the proportion of one to ten-according to F. Pursh, the latter amount, in N. America, to 2891, 7. Holcus lauatus. and the former to 275 species. By phanerogamous plants are meant those whose sexual organs are 8. Holcus mollis. Lin. Creeping soft grass. established by Humboldt are so constant that, referred on account of certain differences, to other the number of species in any particular vegetable genera—for example, to the genus Sorghum, Pnfamily being given, you may by means of his tanisetum, Penicillaria, Blumenbuchia, Cc. Again, in view—and, in doing so, first introduce those plying distinctions, names, &c. &c. genera which have, for some time past, particu-Holcus, Milium, Panicum, &c.

HOLCUS .- (Triandria, Digynia.). Observation .- The name Holous comes from a

Greek word signifying to draw, from the property ascribed to this plant by the ancients, of drawing to itself light bodies that might have THE DISEASES OF DOMESTIC ANIMALS penetrated the skin. I do not know of any English generic name for it-but there are vulgar

according to the species.

digenous species. ble by their size. nish an excellent forage.

I will describe the following species: 1. Holcus Spicatus. Linnæus. Conscou-Millet à chandelle.-(4 varietics. }

2. Holcus Sorghum. Lin. \ French Millet - Sor-go - Grand Millet -(4 varieties.)
Two coloured H.-

Persoon. ed with a corolla o, shining black.

Holcus Saccharatus. Lin. Saccharine H. Sorghum Saccharatum. Per. Broomgrass.

Holcus odoratus, Lin. Avena odorata, Kæl. Holcus fragrans, Pursh. i. Holcus odoratus, grass-Seneca grass.

LIN. \ Woolly H.—Meadow soft grass.

bles, find out, or very nearly, the whole number of II. heriusus, and H. racemosus will subsequently plants in a country, or the number of species in be found under the genus Andropogon, in aceach of the other families. The distribution of cordance with a late reform. I should be more the several gramineous genera is very satisfacto-scrupulous in avoiding all anomalies, and in mirily exhibited—but this is not the place for such nutely scrutinizing vegetable affinities, were it details. I must pass to the subject immediately not for the fear of confusing the reader by multi-toms of fever, as quick pulse, and redness of the

The narrow limits unavoidably assigned to each arly engaged the attention of Agriculturists, viz : number of this sketch, compel me to stop here; and, indeed, it will be better to condense into one moderate degree of warmth, which may be ob-

genus, intended to be noticed.

L. H. GIRARDIN.

- Da

species, that of a panicle. They are polygamous, tuation, so that it may not soon become putrid, it from the inclemency of the weather, he may try 1, 2, or even 3 corollas, also with 2 valves each, done by keeping the foot a few days in hot dang, if the latter be used, a wine glass of gin or brandy shorter than those of the calyx, the exterior the hoof will then be found to shrink or contract, must be added.

Recipe:—

Recipe:—

Pales of sulphur two persistent valves—which contains tends of the latter be used, a wine glass of gin or brandy if the latter be used, a wine glass of gin or brandy shorter than those of the calyx, the exterior than those of the calyx, the exterior particularly if kept in a warm situation, or ex-3 stamina—and 2 styles in each hermaphrodite posed to the sunshine. This contraction will take flower. The male flowers have neither calyx nor place principally at the higher part or coronet pistil—they have only a corolla—with two valves and towards the heels; the horn being in these—acute and awnless—and three stamina. The parts most flexible, and having nothing within fruit is oval—sometimes round—sometimes reni-them to oppose the contractile power. At the form. The corolla partly invests it—and is more lower part or bottom of the crust, there may oe or less easily separated from it, after maturity, the same tendercy to contraction; out here the horn is much thicker, and the contractile power The genus Holcus includes exotic and in- is strongly opposed by the bottom of the hoof,

Several species are remarka- that is, the frog, the bars, and the sole. If the Some afford food to man in a bottom of the foot is removed, the heels will then farinaceous fruit; others contain in their stem or contract rapidly, and in two or three days will culm, a saccharine principle. Others, again, fur- not only have approached close to each other, but will be bent or curled inward. What then, it may be asked, is it that prevents contraction of Holcus Spicatus. Linnæus. \ Eguptian the hoof in the living horse, and by what cirPennisetum typhoideum. Persoon. \ Millet— cumstances is the tendency or disposition to contract produced? The hoof, in its healthy state, is pervaded by a fluid, by means of which it is preserved in a flexible and elastic state. If by any means a preternatural degree of heat is excited in the foot, this fluid will be too quickly dissipated, and the supply will be diminished: the horny A variety of Sorghum | Thus called on account matter will therefore be disposed to contract or vulgare, according to fofits white seed invest- shrink, and the contraction will take place more or less rapidly, according to the degree in which the disposition to contraction exists, and the resistance that is opposed to it. In the perfect foot, or one that has not been mutilated by the smith, Sweet-scented soft the tendency to contraction is powerfully resisted by the bottom of the hoof, consisting, as before observed, of the sole, bars, and frog; as well as by the coffin-bone, and other parts which it incloses, and by which it is completely filled. Unless the contractile disposition is considerable, the resistance thus afforded is often sufficient to prevent contraction; but when the bars are destroyed, visible. Mosses, &c. are, therefore, no part of that totality. Humboldt published his prolegomena in 1817. Since that epoch, many accessions 11. Holcus halepensis. Lin. Holcus of Alepho, part of his time on litter, contraction will often have been made to the North American Flora— And, perhaps, a few other species. Very few take place; for though the internal or sensitive and many more are to be expected. It is proba- of the above are native plants—but they will foot forms a strong resisting power, the pressure ble, however, that when the whole shall be em- all be described, because useful, or promising to it sustains causes a gradual absorption to take bodied into a new Flora, the same proportion will be so.

still be maintained—for, discoveries will not be confined to gramineous plants alone. The laws of the above species are, by modern Botanits, chanical contrivances have been suggested for the prevention and cure of contraction, which will be described under the head shoeing and management of the foot.

Hoose, A term to be found only in the nosology of Cow Doctors. It signifies a cough, either chronic or acute, which cattle are affected with from exposure to cold winds or rain. The treatment consists in bleeding, if there be any sympunder surface of the eye-lid, and particularly if the breathing is disturbed; and if the animal in costive, in giving some opening medicine. A view the descriptions of the various species of this tained by bringing the animal under cover, and giving warm mashes, is also necessary. In obstinate coughs the following drench may be given, but careful nursing will generally be found sufficient to remove the complaint:

> Honey, four ounces; Vinegar, six onnces:

Hoof, Contracted. This is a very common de-mix them over a slow fire, and take off the soun names for the several species, and these will be fect in horses; and though it sometimes takes which rises on the surface; add to this four ounces mentioned. For the sake of simplicity, it will place under the best management, and even in of linseed oil, and give it as a drench twice a day. be made to include here some species separated colts that have never been shod, or taken from a If the cough is not perceptibly lessened, by taking state of nature, it is more commonly the effect of two or three doses, the medicine should be dis-GENERIC CHARACTERS. The flowers assume, improper treatment. If we cut off the foot of a continued. If the owner of the beast is not satisin some species, the form of a spike-in other dead horse, and keep it in a dry but cool airy si- fied in trusting afterwards to nursing and shelter that is, some of them hermaphrodite—and some will be found to undergo no alteration in its form, Dr. Clater's curious and potent recipe, the in-unisexual. Each hermaphrodite flower has a though kept a considerable time; but if the con-gredients of which amount to about one pound in calyx with two persistent valves-which contains tents of the hoof are taken out, which may be weight, beside a quart of warm ale or gruel; and,

Balsam of sulphur, two ounces; Barbadoes tar, one ounce; The yolks of two eggs; Ginger, Anisced, Cummin seeds, of each, in powder Elecampane ront, one ounce; Grains of Pavadise, and Liquorice root,

Salt of tartar, half an onnce; Honey, four ounces.

Inflammation External. This generally is produced by wounds, bruises, strains, or other acci-kinds, viz. of the hoof and parts contained withdents. Sometimes it arises from plethora or ge-neral fulness, from over-feeding and insufficient parts connected with them; and of bones. In exercise: it may be brought on also by having the each of these divisions there are several diseases. perspiration suddenly checked, or by making the which will be noticed in their respective places. rung, and they have a full portion of fair frult. horse stand in very cold water, and immediately after on warm litter. Sometimes it takes place conformation of the limbs renders a horse more without any known cause. The treatment of inflammation depends, in a great measure, on the Thus horses with short pasterns, and whose fore degree or extent of the injury, its situation, and legs incline much under the body, are most liable the condition or state of the animal. The usual to bony excrescences, such as splent, ring bones, remedies are bleeding, both general and local, &c. Horses with long pasterns are more liable opening and cooling medicines, or diuretics, for to ligamentary lameness than others; but as the

stands with his hind legs stretched out, as in the place. Mr. Clark very properly advises, if the act of staling; there is a tenderness about the nature of the case appear doubtful, to inspect the pose, that the bladder is full, and that there is a No certain rules can be laid down for discovering stoppage of urine; under this idea, diuretics have the seat of lameness by the manner of the horse's been given, which generally so aggravate the dis gong; for when any of the parts necessary to the times attended with symptoms of colic, the horse shoulder, often laying down and rolling: in such cases the inflammation probably has spread to the peritoneal coat of the adjoining bowels. The best remedies for this acute kind of inflammation of the kidneys are plentiful bleeding, emollient clysters, an oily laxative, and covering the loins with a companied by a fine plate of fruit:fresh sheep's skin, the wool side outward. If the
Mr. Hillington—I send you a fee disease is attended with a frequent desire to dung, produce of a tree, nine or ten years old, which alas well as stale, the anodyne clyster should be ways flowered beautifully but never bore fruit case of tin, which extends round it, but does not thrown up; and if this yield no relief, some opium until this year; nor would it now have done so, embrace it so closely as to prevent the heat of should be given by the mouth. The kidneys are had I not observed a piece in your paper, stating sometimes affected with chronic inflammation I that ringing fruit trees would improve the size bottom of the boiler. have several times, in examining horses after and quality of the fruit. I thought it might have The tea kettles at slightest pressure of the finger.

as their value is often considerably diminished by other parts of the tree, as usual, dropped the blosit, and not unfrequently they are rendered totally useless. Lameness may be divided into four

Mr. R. Lawrence observes, that a peculiar subject to lameness of one kind than another. mentations, cold lotions, &c.

great length of the pastern gives more pliancy

Kidneys. These are two glandular bodies, siand elasticity, they are consequently less exposed
tuate in the abdomen. The right is attached to to those diseases of the bones which arise from the posterior edge of the liver, and lies under the concussion, such as ring-bones. Horses that are sixth or seventh rib, the left is rather lower, and cat-hammed or cow-houghed are particularly usually under the last false rib. The prine is se-subject to spavins, curbs, and thoroughpins. The creted by the kidney, and, when formed, is con-tendency to lameness of every description is greatveyed by numerous small tubes to a cavity in its ly increased by working a horse at too early an centre, named Pelvis: from this cavity, a tube age, and particularly by placing too much weight called Ureter proceeds, by which it is conveyed upon them at that period. "Farmers and breed to the bladder. The ureters, in entering the ers of horses ride them from three years old, bladder, pass obliquely between its coats; by this until their legs and feet from premature exertion contrivance, a complete valve is formed, which are so much injured as to render their soundness prevents the return of the urine when the bladder doubtful; and this state often comes on before contracts. The kidneys of the horse are much ther are six years old. Under these circumstanmore readily affected by diuretics than the human cesthey are offered for sale, and generally warkidneys; and, though an excessive or indiscri-ranged sound. But though such horses do not minate use of them has often done mischief, I manifest lameness in any particular leg by a want think they may be considered as the most useful of harmony in their motion, yet their injured state class of veterinary medicines, when judiciously may be detected by their stepping short with employed. Stones are sometimes formed in the their fore-legs, and pressing principally on the pelvis of the kidney, whence they often pass into to; and upon examining the legs when standing the ureter, but are seldom found in the bladder; still, if the pasterns (particularly long ones) ap probably from the horizontal position of the ani pear perpendicular and not oblique in their direction. The kidneys of the horse are often inflamtion, or if the fetlock joint knuckles over, or in ed, and not unfrequently, I believe, by the im other words bends forward, little doubt may be moderate use of diurctics. Sometimes the in-extertained of their being unsound." In all cases flammation proceeds rapidly, producing ever and of lameness, unless the cause is evident, it is other distressing symptoms. The animal usually proper to examine the foot carefully in the first loins which makes him shrink or give way when foot again the next day, or even a third time, they are pressed upon: there is a stiffness in the rather than give too hasty or precipitate an opin-motion of the hind parts, which is sometimes in with respect to the seat of the lameness; for considerable. He frequently attempts to void the foot is always to be suspected, especially after urine, while only a few drops are expelled, and a porse has been new shoed, or has had its shoes that with considerable pain and difficulty. This fatened; or when the shoe lies too flat and press-symptom has sometimes led the attendants to sup. esupon the sole, or there is a corn in the foot. ease, as to cause the animal's death. But if the motion of the body are injured, the adjacent parts state of the bladder be examined, by introducing will be more or less affected: thus a wound in the the hand through the fundament into the rectum, foot may cause an inflammation of the whole leg, it will be found empty. This complaint is some- and even in some degree of the muscles of the England Farmer has invented and applied to use

-00-RINGING FRUIT TREES.

Charleston, (S. C.) June 10.

We vesterday received the following note, ac-

Mr. Willington-I send you a few apricots, the or four of the smaller branches, about a quarter to 4 inches in depth. Lameners. This is a subject of considerable of an inch in width: all the branches cut in that I have used from 5 to 13 wicks. Five wicks importance, particularly with respect to horses; way, are now full of very fine fruit, while all the of three-eighths of an inch diameter, properly

soms, without leaving any sign of fruit whatever. I remain yours, &c. W. H. E.

The same effect is exhibited on a pear tree at Eden-the residence of S. P. Walker, Esq. near this city—a healthy looking pear tree is totally barren of fruit, except two branches which were

Edit. Am. Far.

----OJ>

From the Milledgeville (Geo.) Journal.

ON BATHING.

"This is the purest exercise of health, The kind recresher of the summer heat; Nor when cold winter keens the brightening flood Would I weak-shivering linger on the brink Hence the limbs knit into force; And from the body's purity the mind Receives a secret sympathetic aid?

Messrs. Editors-The annexed rules (which experience has established and physiology approved) are submitted for the benefit of Bathers. It is to be hoped that our baths will soon become a place of fashionable resort, and the exertions of our ingenious and benevolent fellow citizens be met by an adequate reward. CIVIS.

I. Bathe one hour before breakfast, or what is much better, an hour before dinner.

2. The stomach should always be empty when we bathe.

3. Never take the cold bath when the temperature of the body is below the natural standard.

4. To prepare the tepid bath, which is the best in this climate. The rule should be this—bring the water to that temperature which feels neither hot nor cold to the arm, or some part of the body usually covered; and, after entering the bath raise its heat to that point which imparts the most agreeable feeling.

5. We should take exercise before and after the warm bath; the importance of this is every

day evinced where bathing is practised. o. After teaving the water, the body should be

briskly wiped with a warse towel, and immediately covered with sufficient clothing to excite or preserve the healthy temperature.

7. We should never remain long in the water. From 10 to 15 minutes is sufficient.

8. Every second or third day is often enough to take the bath.

By a regular use of the bath governed by the above rules, we shall always feel more light, cheerful and active, and better fitted and more inclined for a full and successful employment of the powers of mind and body.

-00-

LAMP TEA KETTLE .- The Editor of the New what he conceives to be an improvement on any methods heretofore made use of for heating or boiling water by a lamp, cooking by steam, frying, &c. by means of heat derived from a lamp.

The lamp is a tin vessel, shaped like a common tin porringer, which will contain about a pint. To this a cover is adapted, perforated with

tubes to receive the wicks.

The tea kettle is set, and may be soldered in a the lamp from pervading the sides as well as the

The tea kettles are more broad and shallow death, found one or both kidneys much enlarged, some effect on this tree, in my garden, and I actual; those which we have made, being and so tender as to be torn or penetrated by the cordingly cut the bark quite through, on three from 8 or 10 inches horizontal diameter, and 2

about 40 minutes.

oil, which costs but 121 cents, will be sufficient to keep two quarts of water at a boiling temperator adapt them to most constitutions in cold eli-ture for six days, from 9 o'clock, A. M. to 11 P. mates. For, if too weak, they produce wind in inch broad, between the two cuts. The bark be-M .- N. Eng. Far.

Editorial Correspondence.

Barboursville, June 11th, 1824.

DEAR SIR,

My houses (dwelling and offices) are over-run buildings.—They have become such a nuisance as to amount to a great mischief.—They would have made a fit addition to the curses of Egypt.—

If you are advised of any bare to this with a little insect, called with us, the roach .-If you are advised of any banc to this pest, be pleased to communicate it. If not, solicit through your paper the information.

[We have seen it stated, that Hemlock spread upon the floor at night, where the cock-roaches nature, we ought to drink only, when solicited by can have access to it, would kill them or drive thirst, and to desist when that is satisfied; but can have access to it, would kill them or drive them away-but we cannot vouch for it .- If any

COMMUNICATED.

To keep off or drive away Bed Bugs.

-00-

Invisible-Visible Inks .- If letters be traced on

again disappears, as the paper cools.—The writing made with this ink may, therefore, at pleasure be made visible, or invisible, by alternately warning and cooling the paper, if care be taken but to express into a greaten degree and the paper.

cobalt or zaffre, and four of nitro-muriatic acid; The mixture of malt-liquors disgest the mixture with a gentle heat, until the acid dissolves no more cobalt; then add muriate of soda, equal in quantity to the cobalt employed, and four times as much water as acid, and filter then dry them a short time on the fire, peel them while hot, and pound them as fine as tree them

O--DR. BOERHAAVE'S RULES.

the following simple and unerring directions for the whole well together, but do not add any water

and drank in large quantity, they inflame the Mr. Newton has ascertained that one quart of blood and dispose to a variety of diseases. certain degree of strength, however, is necessary the bowels, and occasion flatulencies; or if bea permicious effect on digestion, and prove other-

well as food, to be taken always in a just and mo-

derate quantity.

Were we to be governed by the dictates of nature, we ought to drink only, when solicited by as many of our liquors stimulate the palate, this effectual remedy be known to any of our read count, an inestimable beverage, as it will not ers or correspondents, it will doubtless be made induce us to drink more than is necessary. The season of the year, the state of the weather, and the nature of our food, with the greater or less degree of our exercise, all contribute to render the proportion of drink indeterminate. Thirst. Make a strong decoction of red pepper, when however, is a more certain guide for its own graripe, and apply it with a common paint brush to tification, than hunger, and he who is accustomed the joints of the bedstead, wainscotting, &c. to drink water only, will be in little danger of where these odious insects usually resort, and it transgressing the proper measure, if he drink as will speedily kill, or expel them.

transgressing the proper measure, if he drink as often as the calls of nature demand. Persons of a phlegmatic constitution, have both less inclination and occasion to drink, than those of a walm temperament: while the laborious, or those who paper with muriate of cobalt, the writing is invisible; and by holding it before the fire, the character speedily assumes a green colour, which winter.

To drink immediately before a meal is a prictice not to be commended; because the stomach is thereby stretched, and rendered less fit for not to expose it to a greater degree of heat than performing its office. Besides, the gastric juce is necessary to make the invisible writing legible.
This experiment is rendered more amusing, by drawing the trunk and branches of a tree io the drink much during a meal is also liable to objection; the stomach being thus rendered incapable of receiving the due portion of aliment. Wien per is heated, when it suddenly becomes covered with a beautiful foliage.

The sympathetic ink. The sympathetic ink is prepared in the following manner:—Put into a matrass one part of lowing manner:—Put into a matrass one part of lowing manner:—One with a matrass one part of lowing manner.

TO MAKE POTATO BREAD.

Boil the potatoes not quite so soft as common, while hot, and pound them as fine as possible, next put a small quantity of pearl ash to new yeast; whilst it is working briskly, add as much This great man left as a legacy to the world, rye, meal, or flour, as can be worked in. Mix

trimmed and employed, will boil 2 quarts in strengthen the body; for when in that state, cut is to go round the branch, or to encircle it. and penetrate to the wood. A quarter of an inch from this cut, make a second like the first, round the branch, so that by both encircling the branch, tween these two cuts is taken clean away, with a come stale they turn sour on the stomach, have knife, down to the wood, removing even the fine linner bark, which immediately lies upon the wise hurtful. If fermented liquors, made for sale, were faithfully prepared, as there is too tween the two parts of the bark, but the bare and much reason to believe they are not, and were naked wood appears white and smooth; but this kept to a pruper age, they would, used with mo-deration, be a comfortable and wholesome beve-made at the time when the buds are strongly bark ring, to compel the tree to bear, must be Whatever kind of drink is used, it ought as again grows over. By this simple (though artificial) means of forcing every fruit-tree with certainty to bear, the most important advantages will be obtained.

> TO KEEP POTATOES FOR SEA PROVISIONS. Slice them and bake them slowly and they will keep and form good flour for years.

THE FARMER.

BALTIMORE, FRIDAY, JUNE 25, 1824.

PRICES OF COUNTRY PRODUCE - carefully collected every Thursday, for the American Farmer. By ROGERS & STMINGTON.

Flour, Howard St., \$5 81—Do. Susquehannah, \$5 37½—Do. Wharf \$5 50—Do. Rye, \$2 a \$2 75—Corn Meal, pr. bbl. \$2—Wheat, white, \$1 10 to \$1 121-Do. Red, \$1 05 to \$1 10-Corn, yellow, 31 cts.—Do. white 29 cts.—Rye, pr. bush. 41 cts.—Oats, 25 cents—B. E. Peas, 55 cts.—White Beans, nonc—Whiskey, 27½ cts—Apple Brandy, 40 cts— Peach Do. 62 to 75 cts.—Herrings, No. 1, \$2 25—No. 2, \$2 00—Duto Old, No. 1, \$1 50—Ditto ditto No. 2, \$1 25—Shad, trimmed, \$6 75—Do. Untrimmed, \$5 75—Ginseng, 30 cts—Linseed Oil, 65 cents.—Clover Seed, out of season-Flax Seed, rough, 75 cents per bushel-

Maryland Tobacco continues dull except for the finer qualities, which are in demand.

Sales this week of fine yellow, from \$20 to \$30 Fine Spangled, 13\$ to \$20—Fine Red, \$8 to

Six hogsheads of very good quality Charles County Tobacco, made by Mr. James Johnson, sold on the 22d instant, at No. 2, State Warehouse, as follows:-Two hlds. crop, at \$20-2 do. do. \$8-1 do. Second, \$15-1 do. do. \$8.

CONTENTS OF THIS NUMBER.

the following simple and unerring directions for preserving health; they contained the sum and substance of his vast professional knowledge, during a long and useful life:—"Keep the feet warm; the head cool; and the body open."—If these were generally attended to, the physician's aid would seldum be required.

FERMENTED LIQUORS.

Fermented liquors, to prove advantageous to the health, ought not to be too strong; otherwise with the stem, or, if it is a small branen or sheet, they hurt digestion, and weaken, instead of near where it is joined to the large bough—the

AGRICULTURE.

PAPERS

Read at the last meeting of the Agricultural Society of the Valley, and by order of said Society of

pectation. The lot, a stiff clay soil, is somewhat by a list, and the corn drilled on each side as be commenced last spring, the land was laid off into furious at the distance of seven feet, with a three house bar shear; and with a view of deepening JOHN W. PAGE. horse bar shear; and with a view of deepening the furrows, the plough after opening one furrow, was brought back in the same-an ox wagon, one man, and three small boys were employed for the produce of 60 acres of land which had been fed to cattle and horses during the winter, and were broken fine but very little decayed; there of manure and long litter put upon the lot, but it lons. is supposed about 150-while the manuring operation was slowly progressing, a bar shear plough was occasionally introduced into the lot, cutting a furrow of earth on each side of the furrows which had been filled with manure, forming a list of the list at the distance of about 3 inches apart in ney corn, that was gathered by itself, which country would then be extremely well adapted to the row—the balance of the lot was planted in vielded twelve barrels of the homocy corn. Gi-its production. the row—the balance of the lot was planted in vielded twelve barrels of the homosy corn. Gi- its production, the same manner on the 19th of May. When the ven under my hand this 12th day of No ember, I will propose co a had attained a growth of from 4 to 6 inche; 1823. it was thinned to a distance of from 8 to 10 inches; VOL. 6.-15.

my instructions to the hands employed in thinning was to leave the stalks on one side opposite to the space or interval between the stalks on the Brook, I have surveyed a small lot of land ety, communicated for fublication in the Ame- thinning, ten bushels of plaster was sown broad 64 acres. My opinion is that the quarter should thinning, ten bushels of plaster was sown broad of acres. My opinion is that the quarter should rican Farmer.

No. VII.

For the last ten years of my life my occupation has at that season of the year were then employed in at that season of the year were then employed in the control of a farmer and my attention has at that season of the year were then employed in the control of a farmer and my attention has at that season of the year were then employed in the control of a farmer and my attention has at that season of the year were then employed in the control of a farmer and my attention has at that season of the year were then employed in the control of a farmer and my attention has at that season of the year were then employed in the control of has been that of a farmer, and my attention has at that season of the year were then employed in been much engaged by the variety of operations putting around each stalk of corn a double handconnected with agricultural life; being a novice ful of ashes, and of a compost formed of lime, at the period of commencing, I adopted that wood-pile manure, and ashes; about two thirds of PREPARATION AND MANAGEMENT OF TWO ACRES course which the more experienced farmers of the lot was manured around the stalk in that way, the neighbourhood were pursuing, and which I but the advantage of the top dressing was not persuppose had been handed down from father to ceptable, as there were two rows left through difson, through many generations; and although I terent parts of the lot unmanured, which were have been convinced by sad experience that the equally as productive as those that were. One hoeold "modus operandi" (particularly with regard to ing and three other ploughings completed the the cultivation of corn) was greatly defective, yet cultivation; when the hoe was used, great care ches deep with the barshare, and followed with I have ventured no innovating experiment until was taken not to draw the earth from the list Davis' Substratum Plough, making the whole the last spring, and then indeed, had I listened so as to uncover the manure; the list was not depth of ploughing 14 or 15 inches; then was the last spring, and then indeed, and I listened so as to uncere the mainter, the list was not depth of ploughing 14 or 15 inches; then gave to the advice of many of my neighbours, (in whose judgment and experience I have great confidence)

The fodder and tops were gathered in season, I should have abandoned an experiment suggested and were, perhaps, three times the quantity in the useful pages of the American Farmer, by usually obtained from the same number of acres. Mr. Peter Minor, of Albermarle, in regard to the Two acres of the lot being much better than the cultivation of corn in gooble drills. The dissuable pages and the same number of acres. Two acres of the lot being much better than the lows:—two ploughings with the angular plough* on the wide space, and two with the shovel sive advice of my neighbours was predicated up-rately, and has produced, agreeably to the subon the generally unfavourable results of the single joined certificate of neighbouring farmers, an averdrill experiments sometimes tried, and when up- age of 91 bushels and three gallons, or 18 baron one occasion I observed to a farmer (who had rels one bushel and three gallons of corn per remarked to me that his drilled corn never suc- acre; the balance of the lot was much injured by ceeden) that mine would be planted in double the influence of several large oak trees, and prodrills, his reply was, you are then doubling the duced twenty-two barrels, four gallons and a half e il—without adverting to the fact that the single in the aggregate.—The promium is claimed for and double drill modes of preparation were entirely dissimilar. Upon a lot of ground contain pared for corn the next year, by opening ing by actual survey four acres, one rood and 27 deep furrows in the middle of the space between poles, 1 adopted the plan of Mr. Minor, and the the double drills, and filling the same with the result has gone far beyond my most sanguine exundulatin, and would I suppose, in the ordinary fore; the manure which was covered up last mode of cultivation, and with such a season as spring, will then be in the middle of the space the last, have produced an average of seven or cultivated the next year, and will, of course, eight barrels per acre; a part of it had been cul- be dispersed over the surface: permanent corn tivated in corn, and the balance in wheat the pre- lots may thus be established, and the alternation ceding year. As soon as the ploughing season of the drills would probably afford to the cul-

I do hereby certify that I surveyed John W. Page's lot of drilled corn, and found it to contain a considerable time in filling those furrows with the manure which had been made on the farm off a parallelogram of two acres of the same delicious fruits we cultivate, is at the same time,

JOHN H. TAYLOR.

JAMES M. HITE.

Nov. 13th, 1823.

CERTIFICATE OF MEASUREMENT OF CROP.

BENJAMIN CRIGLAS.

SURVEYOR'S CERTIFICATE,

other, but from inattention, or the relative posi-upon his farm, from which he states he has gation of the stalks not admitting of it, such a po-thered ninety-four barrels of corn the present sition of the stalks was rarely observed. After season, which lot I find contains the quantity of

October 30th, 1823.

OF GROUND FOR CORN-TO WIT:

It being a piece of dry bottom land, I commenced by hauling out clay in the latter part of April, and put on 427 cart loads of it; spread it over the ground; then put on 178 cart loads of stable and barn yard manure; then broke it up 6 or 7 indepth of ploughing 14 or 15 inches; then gave in the wide space, and two with the shovel plough; and once ploughed in the narrow space with the substratum, say 14 inches deep, when the corn was about knee high. All the above ploughings were done before harvest. The product of said two acres, is 246 bushels. Given under my hand, this 12th of November, 1823.

AMOS LUPTON. N. B. The corn was planted the 13th and 14th of May, 1823.

* What plough is this. - Edit. Am. Far.

Frederick, Sct.

Personally appeared before me the subscribing justice, Amos Lupton, who affirmed that the facts stated in the within cerficate, are correct. Given under my hand, this 13th November, 1823,

EDWARD McGUIER.

On the practicability of retarding the flowering of the PEACH TREE, and thereby saving that precious fruit from destruction by early frosts.

Lincoln County, (N. C.) May 26th, 1824.

TO THE EDITOR OF THE AMERICAN FARMER.

the preceding winter, consisting of dry straw, Given from under my hand this 12th day of No-with us, the most uncertain of any in its product.

Amongst the mountains near us this fruit is column. dom injured by frosts, because it blooms later in the season, and the product is therefore tolera-I hereby certify that I measured the corn, bly certain With us, the trees prosper well, was a small portion of well totted manure put into the furrows separate from the coarse litter, no
Page, and that the product of two acres, was fruit is very frequently destroyed in embryo by
account was taken of the number of wagon loads thirty-six barrels, two bushels, and three galthe late frosts. It is estimated that we have not any thing like a general or full crop, more than one year in three or four. Hence, esteemed as this fruit is, it is not much cultivated; and I think is becoming still more and more neglected.

Now, Sir, could a plan be discovered by which I do hereby certify that I was at Mr. John the premature bloom of the peach could be preabout two feet in width, completely covering the Page's, of Page Brook, when a lot of corn vented,-could its blossoms be kept back to a lamanure. About two thirds of the ground was belonging to Mr. Page was guthered, and saw it ter period in the season, so as to be less liable to planted between the 1st and 3d of May, the seed measured; and there was ninety four harrels of be injured by the frosts, we should much oftener coin being placed in the valleys on each side of sound coin. There was one acre of the lot in hom- have this favourite fruit, and this part of the

I will propose such a plan; and should it be either already well known, or incorrect in fact or principle, you can throw it by-and, on the contrary, if you should think the hints it contains it was ingrafted, would have produced its natu promise to be of any service, they are at your

which were cultivated by a man recently from destruction of frosts, and shall have peaches Since the days of Bacon, we rely scarcely on Germany, I discovered one bearing grapes in all respects like most of the others in the vineyard, but apparently several weeks later in advance to or nothing, but is at your service. maturity. I inquired the reason of this differ ence, and was informed that it was owing to that vine having been ingrafted on a stock of the Winfor grape; and the German said, that by grafting on stocks the fruit of which ripened at dif ferent times, one could have a vineyard of the same kind of grape ripening at almost every President of Baltimore College, to whom they same kind of grape ripening at almost every period of the fruit-bearing season. Upon my expressing some surprise at this information, (for my knowledge in such matters is by no means considerable) a gentleman who acted as The fact mentioned to Mr. B. by the German interpreter between the German and myself, and vigneron, should be approached with doubt and informed me that this remark concerning the grape, held good with regard to other fruit like wise. He mentioned the apple in particular, which is almost the only fruit which we take the grafted on different stocks producing and ripening its fruit in different periods of the season. As he spoke of this as of a fact well known, I aseribed my want of knowledge concerning it, to ternal causes. The external causes are the tempe- the slope of the bottom.

my ignorance on such subjects. But, six months rature of the atmosphere, and the influence of No. 3. The hive tilted, shewing the inside and after, in conversing with a gentleman who culti- light. The internal causes are various—but the 7 triangular recesses which are cut about \$\frac{1}{2}\$ of the slope of the bottom.

The internal causes are various—but the 7 triangular recesses which are cut about \$\frac{1}{2}\$ of the slope of the bottom. almost all of which are reared from grafts, he it except this dissent to it by a man of experience) This information led me to reflect, that, if by appear.—Further the buds communicate with the hive air. grafting the same kind of fruit upon stocks which the roots by tracheal vessels surrounding the ripened the fruit which it originally produced at medullary canal—and they are developed pre-running arounding arounding the roots by tracheal vessels surrounding the running arounding the running pened at an earlier or later period, -that then, by our fruit trees to be accelerated or delayed-and stored in the process of grafting. the affirmative of this position appears to me, to be entirely in coincidence with the analogies and tree can be transplanted on the plum tree. They it may be taken on and off with ease. The 4 dots riod of its fructification, than that the stock be- two grafts mentioned above, though very evident, in these respects.

If this then be correct, the only difficulty remaining, is to find a proper stock upon which to

period of blooming.

Now the time of the blooming of fruit trees bears no proportion to the time of their maturing tural height and duration, &c.; and that, when being blown or knocked over. their fruit; the fruit the latest in ripening being frequently the first to put forth its blossoms. We must therefore, seek for stocks of a different the sap is less ahundant. This is the opinion must be put before this entrance every night as species which bloom later.

Is the position a correct one, that all stone

with success?

the cherry and the plum stock, as of a fact indisputable and notorious.—Will the peach grow upon the species of the plum and the cherry? This will form a perfect graft—and, as in every If the peach will grow upon the plum in all its similar process, a tumour or ring will be effected.

ral blossoms, then by ingrafting the peach upon does not appear favourable to the suggestions of the species of the wild plum, which is very late Whilst examining some vines, last summer, in blooming, we shall save that fruit from the with as much certainty as other fruit.

You have the plan-it may be worth something

I am, Sir, Your obed't servant, JOHN F. BREVARD.

were referred for a consideration of the principles of vegetable Physiology, involved in the question.

who is a man of intelligence and observation, caution. I have observed, and many other persons have observed, that if two grafts taken from two different species of the same genus, or from two different genera of the same family as the stock, be such as to differ in their respective trouble of propagating by grafting in this part epochs of floration, the influence of the stock of the country, and stated that he had known instances of the same kind of apple when in

In effect, causes of two different characters act clination of 21 inches. on the vegetable system. 1. External causes. 2. In vates a large orchard of excellent apple trees, principal is the vital force inherent in the buds an inch deep on the back and front board.—In -a force by which they attract to themselves the diagram only the back part can be seen. questioned the fact, and stated that it must be a that quantity of the vegetable blood required by mistake. I therefore think that if the fact be as their nature—this is confirmed by the two epochs this platform is a continuance of the bottom was related to me, (and I have no reason to doubt at which, in vivacious plants, the sap is most vi- board. it except this dissent to it by a man of experience) gorous—in the Spring, for the buds of the preceit is not so generally known, or so much attended ding year; about mid-summer, for the buds des to in the operation of ingrafting as it ought to be. tined for the next year which are now beginning to like the rose of a watering pot .- This is to give different seasons, we have the same kind of fruit ri- cisely when the sap ascends by these internal the hive like the cover of a bancox. The upper ducts.—This communication has been establish- rim raised high enough to receive the box No. 7. grafting, we may also occasion the blooming of ed by nature, and is more or less perfectly re-

operations of nature. The sap must first be im-bibed by and pass through the roots and the body the conditions required by nature, and dictated through which the bees pass into the upper box. of the stock, before it reaches the graft; and is by experience, is a simultaneous or almost simulit not more rational to suppose that the stock taneous circulation of the sap in the stock, and board-open at the bottom with a ventilator of controls the graft in the supply of juices, and pe- in the graft.—The difference in the floration of comes assimilated and subservient to the graft was, however, small as to time.-The other con-

not necessary to state in this place.

Among the very curious and interesting effects ingraft the peach, so as sufficiently to retard its of grafting, it is acknowledged, indeed, that re grafted trees fall below the standard of their natoo vigorous a sap prevents fructification, the evil may be remedied by grafting on a stock in which Is the position a correct one, that all stone cess, which may, perhaps, be usefully applied in the morning. fruits may be mutually ingrafted into each other here. "To accelerate, he says, the fructifi- No. 12. The cation of tardy trees, remove circularly from the suspended. Cobbett speaks of the peach graft growing on trunk a piece of bark about half an inch broad, No. 13. trunk a piece of bark about half an inch broad, No. 13. Scantling running the whole length of and substitute for it a piece of bark equally wide, the Apiary. The cleats rest on two pieces of varieties, and if the prematurity of the bloom of the peach will be delayed thereby until some flow back to the branches, and develope the fruits to find an inch deep into the back and front board, what near the time when the stock upon which by a superabundant supply of nourishment.

To conclude, although vegetable physiology the ingenious gentleman from North Carolina, yet experiments should indefatigably be made. any thing but patient and persevering trialsand although those trials may not produce the results immediately in view, they generally lead to other results, perhaps equally beneficial.

TO THE EDITOR OF THE AMERICAN FARMER.

Dear Sir.

Below are the explanation of the diagrams that I sent you some time since—I have written them in as concise a manner as possible-I hope that they may be understood.

> Your's respectfully, A SUBSCRIBER.

Explanation of the figures on the Charlieshope Hive.

No. 1. The hive, resting on the cleats my ked No. 12. The hive is 15 inches square at the top, will not change these epochs, but the floration and only 7 inches square at the bottom. The back of each will still occur nearly at the original of the hive is two and a quarter inches shorter than the front, of course the bottom board has an in-

No. 2. A profile view of the hive, shewing

No. 4. The platform on which the bees alight;

No. 5. A hole of three inches diameter on which is nailed a round piece of tin, perforated

No. 6. The cover of the hive, with a band running around it of 3 inches in depth; covering

No. 7. A box exactly 15 inches square, made to fit into the rim of the cover No. 6. This

No. 8. The top box of the height of a common perforated tin about two inches high and 3 long.

No. 9. A top view of the hive; the sticks, 7 in number, rest in the triangular recesses No. ditions required for the success of grafting, it is 14. They are likewise triangular and will fit in

No. 10. The band of the cover-the two dots in the centre are small holes through which tardation may in some degree be ranked-that nails or pins are put to keep the cover on the hive; and likewise to keep the box No. 7. from

No. 11. The entrance for the bees 23 inches wide, and 1 an inch high; a small meshed wire net of Sennebier. The same writer mentions a pro- soon as it becomes dark, and taken off very early

No. 12. The cleats by which the hives are

taken from a different species of the same genus, scantling, and the hive is thus supported between the two; the cleats that are nailed to the hive,

into these recesses the sticks are put.

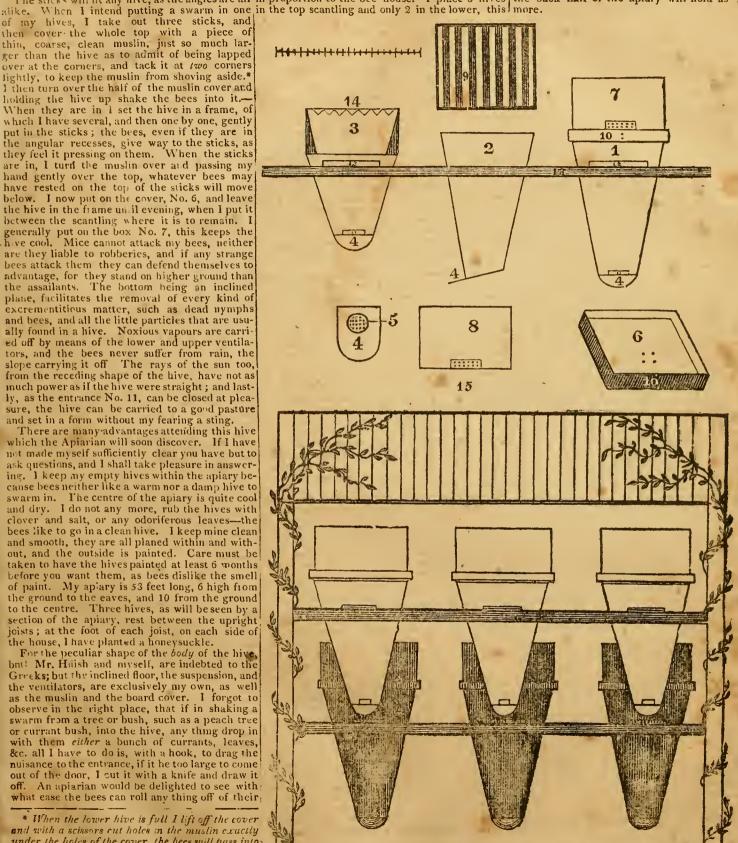
only of which is seen in the upper box No. 7.

of my hives, I take out three sticks, and then cover the whole top with a piece of thin, coarse, clean muslin, just so much larger than the hive as to admit of being lapped over at the corners, and tack it at two corners lightly, to keep the muslin from shoving aside.* I then turn over the half of the muslin cover and holding the hive up shake the bees into it .-When they are in I set the hive in a frame, of which I have several, and then one by one, gently put in the sticks; the bees, even if they are in the angular recesses, give way to the sticks, as they feel it pressing on them. When the sticks are in, I turn the muslin over and passing my hand gently over the top, whatever bees may have rested on the top of the sticks will move below. I now put on the cover, No. 6, and leave the hive in the frame until evening, when I put it between the scantling where it is to remain. I generally put on the box No. 7, this keeps the have cool. Mice cannot attack my bees, neither are they liable to robberies, and if any strange bees attack them they can defend themselves to advantage, for they stand on higher ground than the assailants. The bottom being an inclined plane, facilitates the removal of every kind of excrementitious matter, such as dead nymphs and bees, and all the little particles that are usually found in a hive. Noxious vapours are carried off by means of the lower and upper ventilators, and the bees never suffer from rain, the slope carrying it off The rays of the sun too, from the receding shape of the live, have not as much power as if the hive were straight; and lastly, as the entrance No. 11, can be closed at pleasure, the hive can be carried to a good pasture and set in a form without my fearing a sting.

There are many advantages attending this hive which the Apiarian will soon discover. If I have not made myself sufficiently clear you have but to ask questions, and I shall take pleasure in answering. I keep my empty hives within the apiary becanse bees neither like a warm nor a damp hive to swarm in. The centre of the apiary is quite cool and dry. I do not any more, rub the hives with clover and salt, or any odoriferous leaves—the bees like to go in a clean hive. I keep mine clean and smooth, they are all planed within and without, and the outside is painted. Care must be taken to have the hives painted at least 6 wonths before you want them, as bees dislike the smell of paint. My apiary is 53 feet long, 6 high from the ground to the eaves, and 10 from the ground to the centre. Three hives, as will be seen by a section of the apiary, rest between the upright joists; at the foot of each joist, on each side of the house, I have planted a honeysuckle.

For the peculiar shape of the body of the hive. but! Mr. Huish and myself, are indebted to the Greeks; but the inclined floor, the suspension, and the ventilators, are exclusively my own, as well as the muslin and the board cover. I forgot to observe in the right place, that if in shaking a swarm from a tree or bush, such as a peach tree or current bush, into the hive, any thing drop in with them either a bunch of currants, leaves, &c. all I have to do is, with a hook, to drag the nuisance to the entrance, if it he too large to come out of the door, I cut it with a knife and draw it off. An apiarian would be delighted to see with: what ease the bees can roll any thing off of their

No. 15. The ventilator in the box No. 8. part floor. I have two tiers of hives, they are not well makes 5 within each joist, and as there are 8 ly of which is seen in the upper box No.7. represented in the section, they appear too large spaces like those represented, they will hold 40; The sticks will fit any hive, as the angles are all in proportion to the bee house. I place 3 hives the back half of the apiary will hold as many



^{*} When the lower hive is full I lift off the cover and with a scissors cut holes in the muslin exactly under the holes of the cover, the bees will pass into the upper box immediately.

GENERAL RULES FOR THE RESTORATION AND PRESERVATION OF HEALTH.

ASTHMA.

Asthma is a spasmodic disease of the organs too much exhausted. of respiration, attended with cough, difficulty of

breathing, wheezing, &c.

There are two distinct species of this disorder,

Asthma in general, is distinguished by par-The patient cannot lie in an horizontal posture. without danger of suffocation; and, when seized, is immediately obliged to sit upright. After continuing for several hours in this state, he and oppressed, the cough not so frequent, and an The principal of these are as follow: the day, according to the particular state of the which is strictly, an acute disease, occasioned by atmosphere, and other circumstances. The at- an extravasation or effusion of blood into the celatmosphere, and other circumstances. tack is sometimes induced by external heat, at lular substance of the lungs. others by cold; but in either case, their sudden than at an advanced age. But, in the former inflammations of the chest, they a case, it is often succeeded by a confirmed pulmotended with the suffocative catarrh. nary consumption, and after a long continuation, generally terminates, either in dropsy of the breast, or an aneurism of the heart or arterial dry, convulsive asthma. system. A tremulous respiration, paralysms of the arms, and a diminution of the urinary secretion, are unfavourable symptoms

This is one of the chronic diseases, which may continue for a considerable number of years. Sir John Floyer, when he published his celebrated treatise on this subject, had suffered under repeated paroxysms for almost thirty years. The usual treatment is, to bleed, during a fit, unless either extreme weakness or old age should forbid the parts. usc of the lancet: to inject a purging clyster, containing a solution of asafeetida; and if the violence of the symptom do not speedily abate, to apply a blistering plaster to the neck or breast. Previously to a fit, emetics have been found useful, especially when the stomach was loaded with orudities. In the intervals, lac ammoniacum, the dry asthma.

vinegar of squills, asafætida pills, and other sti
11. The abuse of ardent spirits. vinegar of squills, asafætida pills, and other stimulating and deobstruent medicines are usefully employed. Sir John declares, that a strong infu sion of roasted coffee is the best remedy he ever experienced, to abate the paroxysms. The coffee must be of the best Moco, newly burnt, and made very strong, immediately after grinding. He orders an ounce to one dish, which is to be repeated after the short interval of a quarter or half an hour, and taken without milk or sugar. By the great success.

In a violent paroxysm of asthma, from the effects of which there is imminent danger of suffocation, the administration of an emetic is some. the former. coms of inflammation discoverable; 2. That the cife for the cure of asthma?

humid matter in the pectoral organs be loose, and ready for expectoration, which may be as certained by a free rattling of the throat; 3 When respiration itself is not extremely impeded; and 4. When the patient's strength is not

On these conditions, an emetic may prove the only means of saving his life; though it may also accelerate the fatal catastrophe, especially if the each of which requires a different treatment: 1. breast be clogged with matter, and the patient When it is attended with an accumulation and possess not vigour and breath sufficient to supdischarge of humours from the lungs, in which port the operation of an emetic. Hence a judithe patient is not troubled with coughing, or at to direct a brisk dose, in order most speedily to sons in early life, and then chiefly the male sex. But this illustration also evinces the importance of every step in the practice of physic; and that oxysms, preceded by a sense of tightness in the neither officious friends, nor mercenary preten- diet, consisting of such animal food only as may chest, and in general, occurs during the night. ders, are the most proper persons, whose servi- be easily digested, and, at the same time, avoidces can be useful on such or similar occasions. this proposition still farther, by exhibiting a concise view of those causes from which that formibecomes easier; his breathing is less difficult dable disease may arise in different individuals. and the like. As a most excellent diet-drink,

3. Spasms in hypochondriacal and hysteric every three or four hours persons; which often lay the foundation of a

4. Worms in the first passages.

large vessels.

6. Asthma may likewise be a symptom of

dropsy of the chest.

scorbutic acrimony-all may occasion the astima, either in the lungs themselves, or by consent of

8. Noxious vapours arising from the decomposition of lead, or arsenic; which generally cause a convulsive asthma.

9. The introduction of dust into the lungs, to which millers, masons, hatters, &c. are subject. 10. Tubercles in the lungs, from which arises

12. A weak digestion, attended with great flatulency.

13. Every thing that oppresses the vessels, such as an expansion of the uterus, obesity or preternatural fatness, aneurisms, fleshy and other tumours in the chest, a distended abdomen by dropsy, obstipations, &c.

14. General debility, by which respiration is frequently rendered difficult, without any other use of this remedy, he lived many years tolera-frequently rendered difficult, without any other bly easy under his asthmatic complaint. Doctor particular cause. This affection may be ascer-Percival also asserts, that he has employed it with ascends a number of steps with greater facility than he is able to descend, because the latter requires a greater degree of muscular effort than

times advisable, as vomiting tends to produce What a variety of causes do we here behold—immediate relief. This remedy, however, can many others being reserved as too abstruse for What a variety of causes do we here behold-

Beside the remedies already pointed out as proper for the general treatmen, we shall here briefly observe, that, in the periodical astuma, infusions of bitter herbs, such as wormwood. lesser centaury, the blessed thistle, as well as gum ammoniac, vinegar and honey, acids in any form, nay, mixed with proporti nate quantitie of laudanum, have been used with the best success. The exercise of riding on horseback is indispensably necessary. Changes of weather are very sensibly felt by asthmatic persons, who, in general cannot live with any comfort in the atmoscase it is called humid asthma; and 2. When cious practitioner will, in such cases, not hesitate phere of large cities though some are to be found who feel themselves better in an air replete with least has no expectoration, which is termed dry produce the desired effect, and to save the congross effluvia; and breathe with greater case in esthma. Yet these complaints seldom affect perstitution from being unnecessarily exhausted. a crowded room where there is fire and candles. A principal advantage, however, will be derived in this obstinate disorder from a light and frugal ing all flatulent and heating substances, as well We, therefore, think it our duty to corroborate as liquors; for instance, wine, milk, turnips, cabbages, &c. not exposing the body to the influence of hot air, strong smells, offensive vapours we can, from experience, recommend the use of expectoration of mucus taking place, the par-oxysm abates until the next night; but the symp-lungs, from which there may not only arise the or sal ammoniac, might be dissolved; or with the tom continues in a greater or less degree, during dry asthma, but likewise the Suffocative Catarrh addition of a little pure vinegar. And, if any alterative medicine should become necessary, an extravasation or effusion of blood into the cel- after the proper evacuations, by either bleeding and blistering between the shoulders, or, accord-2. Congestions of serious and pituitous hu-ing to circumstances, by gentle laxatives, and accession will sufficiently distinguish the asthma mours, arising gradually, and producing, in gene-nauseating doses of ipecacuanha, we have found from symptomatic shortness of breath. There ral, the humid asthma: but if this collection of the following mixture frequently of great advanis a greater probability of curing it in youth, humours takes place suddenly, as is the case in tage: Take oxymel of squills, and cinnamon inflammations of the chest, they are then at- water, two ounces of each, and pure spring water four ounces; two table-spoonfuls, each dose,

Tegg's Book of Utility.

FOR THE AMERICAN FARMER.

5. Stones in the gall bladder; aneurisms; BOTANICAL SKETCH of the principal gramina usepolypi, or concretions of grumous blood in the ful, or likely to become useful, in husbandry. No. III.

N. B. Botanists designate the several varieties ropsy of the chest.

7. Scrophulous, rheumatic, gouty, psoric, and alphabet α, β, ε, δ, ωc. which stand for 1, 2, orbutic acrimony—all may occasion the astima, 3, 4, ωc. It may, perhaps, not be superfluous there in the lungs themselves, or by consent of the remark. to remark, that the 23d class of the Linnman system Polygamia, has been pretty generally abandoned, and that holygamous plants are referred to other classes according to their hermaphrodite flower. Hence Holcus is placed under Zdria, Zgynia,

1. Holcus spicatus. Lin. Egyfitian Millet.
Pennisetum typhoide- couscou—millet à chandelle. um. PERS.

(4 varieties-which, if found constantly dis-

tinct, will constitute 4 species)

VARIETY &. This variety of the H. Shicatus. as cultivated in the Botanic garden at Paris, puts out stalks from 4 to 6 feet high, articulated, leafy, as thick as one's little finger, and full of pith. The leaves are long-of a gramineous aspectabout two inches broad-sometimes smooth on both sides—the sheath smooth also, except at its orifice, which is hairy .- The leaves, however, are sometimes covered with soft hairs—espe-cially the sheath.—The spike is terminal—cylindrical-dense-rather thicker than one's thumb. and only six inches long—of a pale green colour—when in blossom, it exhibits a blueish violet hue, on account of the colour of the anthers. The flowers commonly grow four together, in small fasciculi, or bunches, pedicellated, each invested with an involucrum of setaceous, villose hristles, only be resorted to with safety, under the follow-non-professional readers; and who will be bold as long as the fascicle which they seem to proing circumstances: 1. That there be no sympered that he has discovered a spectage is supported by a pubescent, plumose pedicel, twice as long as the fascicle

itself .- The four flowers composing it, are awn; fertile plants of Theama, in Arabia Felix, it |-glabrous-but hairy at their summit. less-two of them hermaphrodite, and two usual ly male flowers. One of the valves of the calyx, the interior one, generally becomes abortive by pressure against the lateral flowers-the corolla less valuable. is hairy-but the ealyx smooth or glabrous .-The seeds are oval or rounded at their summit, and pointed at their base.-This plant is a native of the East Indies .- It has been introduced into the Southern states, where, under a more congenial sky, it grows to a greater height, &c. than mentioned above.

VARIETY β. The spike of this variety is 3. Holcus bicolor. Lin. about 8 inches long (longer in a congenial soil (Persoon makes it the and climate.) It gradually diminishes in circumference from its lower to its upper extremity. The most remarkable circumstance in this spike is, that it is surrounded by bristles, not originating in the flowers, but in the involucrum, one of the setæ being longer than the rest. Another striking circumstance is that the fascicles at the base of the spike increase in size, produce numerous flowers, and become so many lateral spikes.

VARIETY &. This variety is the most remark able, as well as the most useful. I have now before me a spike of it upwards of two feet long, and about five inches in circumference at its base. It is tapering—the seeds are very close to one another, and more than half their length inserted in the corolla. There is no vacant point about ning black, hairy, and with ciliated edges. It the axis, except at its upper end, which is naked. There are two and sometimes three seeds in each fascicle, the pedicel of which is villose and one sta shorter than in the variety a. This is the variety to which I alluded in No. 9, vol. 6, of the Ameria 4. Holous saccharatus.

Saccharine Holous.

Can Farmer. It is a native of Senegal; its fruit

Lin. Sorghum sac
Broom grass—Broom

charatum. Pers. is extremely farinaceous and nutritive. A very small quantity of its flour or meal, affords sufficient food to an African for one day.

of France, is much smaller than any of those pendulous ramifications.

3 Holcus sorghum. LIN. \ French millet-Sor-Sgho-Grand millet. (4 varieties).

the name of French millet probably because its The seeds are large—of a yellowish or ferrugi-common globe turnip, that I had left a few of in a square in my garden, were entirely destroyed. bears some resemblance to zea mais. Its stalks which rise to the height of 10-15 feet, are glabrous or smooth, pithy, with alternate leaves, brows or smooth, pithy, with alternate leaves, brooms. It abounds in seeds, which yield a fine, glabrous also, upwards of two inches broad, and of four feet long. They are nerved—the middle bread, holenta, &c. or in feeding pigs, poultry, and continued to do so till they became paniele, at the extremity of the stalk. This paniele, at the extremity of the stalk at the extremity of the stalk at the extremity of the stalk. This paniele, at the extremity of the stalk at the extremity of the extremity of the stalk at the extremity of t plant. The rachis is angular and villose; and dua, has published an interesting "memoir" That part of the field that was not disturbed or the principal branches of the painter are many verticillated; these branches have themselves small ramifications. The flowers are unilateral and in pairs—some hermaphrodite—short—venand in pairs—some hermaphrodite—short—venand in pairs—some hermaphrodite—short—venand in pairs—some hermaphrodite—short—venand to the raiser of sheep to give the United States. In pairs—some defining the painter are many or the roots were as small ramifications.

Sweet scented soft—from and as hard as the common turnip usually is in the month of February. I would most earn nestly recommend to the raisers of sheep to give the principal branches of the panicle are nearly on the subject. some male only-slender-pointed-and situated low grounds, on the edge of waters, &c. It has attention to this description of turnip, being saquite so large as that of Indian corn (zea mais)it is rounded at the top-but rather tapering at the base-its colour sometimes white or yellowsometimes blackish-sometimes violet, &c.; it is very farinaceous.

The H. sorghum is a native of India-but it is rica. The gram anords excerned took try. The Arabs cultivate it, as we do wheat, for making bread. Nieburh, the travelling companion of the celebrated Forskæl and the editor of his Flora Egyptiaco-arabica, says that, in the

yields two hundred times the seed-and that tw and even three crops are obtained each year. Yet, among us, the Zea mais renders this plant a perennial plant, and flowers from June to Au-

Variety a-with white seeds.

 β —with yellow, or red seeds.

-with blackish seeds.

d-with a loose panicle, of a purple-colour-the leaves are narrow-probably the same as Holcus Dochna. FORSK.

(Persoon makes it the Two coloured Holvariety β. of his genus cus. sorghum.)

Lamarck considers this species as a probable has made sorghum a distinct genus, as a variety bably enter upon the description of the genus of Sorghum Vulgare. Dr. W. Barton says that Milium. it is cultivated about Lancaster, Pennsylvania, and recommends it as a substitute for chocolate or coffee, when parched. A specimen has been transmitted from Alabama, where its culture was lately introduced.-The habitus totus of the H. bicolor is pretty much the same as that of the preceding species; but the seeds are of a clear white colour, awned at their summit, and partly invested with the valves of the corolla of a shigrows in Alabama from ten to twelve feet highone stalk frequently bears several panicles,

VARIETY J. This variety, a native of the Isle most verticillated panicle, and by its horizontal they rooted like the parsnip—so much so, that France, is much smaller than any of those pendulous ramifications. The stalk is from six it was impossible to pull them without destroybefore mentioned. The fascicles of its flowers to eight feet high, the leaves are, lanceolate, before mentioned. The fascicles of its flowers to eight feet high, the leaves are, lanceolate, in thought it preferable to lose my turnip crop are almost sessile. The spike is slender—about nerved—with a broad and white longitudinal line rather than the timothy—so, I let them referable to lose my turnip crop rather than the timothy—so, I let them referable to lose my turnip crop rather than the timothy—so, I let them referable to lose my turnip crop rather than the timothy—so, I let them referable to lose my turnip crop rather than the timothy—so, I let them referable to lose my turnip crop rather than the timothy—so, I let them referable to lose my turnip crop rather than the timothy—so, I let them referable to lose my turnip crop rather than the timothy—so, I let them referable to lose my turnip crop rather than the timothy—so, I let them referable to lose my turnip crop rather than the timothy—so, I let them referable to lose my turnip crop rather than the timothy—so, I let them referable to lose my turnip crop rather than the timothy—so, I let them referable to lose my turnip crop rather than the timothy—so, I let them referable to lose my turnip crop rather than the timothy—so, I let them referable to lose my turnip crop rather than the timothy—so, I let them referable to lose my turnip crop rather than the timothy—so, I let them referable to lose my turnip crop rather than the timothy—so, I let them referable to lose my turnip crop rather than the timothy—so, I let them referable to lose my turnip crop rather than the timothy—so lose my turnip crop rather than the timothy—so lose my turnip crop rather than the timothy—so lose my turnip crop rather than the timothy my turnip crop rat This plant has received, in the United States, twisted awn-but not so in the male flowers. had not been exposed to the winter-whilst the

near the hermaphrodite flowers. The first is not a very pleasant smell. It appears likely to con-tisfied it would repay them better than any other one and a half foot high. The leaves are long, the trouble of pulling, topping, rooting, and co-but narrow—especially the radical leaves. The panicle is terminal—sometimes unilateral—with double pedicels, bearing several flowers. The now cultivated in Africa, Europe, and even America. The grain affords excellent food for poul at their base—but transparent at their summit—the opinion of their being a variety they had try. The Arabs cultivate it, as we do wheat, for

ne valves in the corolla of the male flower is larger than the other-awned and nerved. It is gust. The holeus fragrans may be a variety of holeus odoratus, from which it differs by the valves of the calyx, much longer than the flowers, by those of the corolla, which are not ciliated, &c.-It predominates in Canada, &c. In Europe two varieties, Avena mutica, and Avena aristata are described (Decandolle). This

is a very fine meadow-grass.

N. B. The Holcus redolens of Vahl, a plant growing in New-Zealand, has many affinities with H. Odoratus.

With regret, I find myself arrested here by want of room; and must reserve for the next number the remaining species of Holeus which variety of the H. Sorghum; and Persoon, who I have announced. I shall, in that number, pro-

L. H. GIRARDIN.

ON TURNIPS—Various kinds—Great value of the "White Norfolk."

TO THE EDITOR OF THE AMERICAN FARMER. Dear Sir,

I wish to make known to the agriculturists of our county, and particularly to those who raise large flocks of sheep, the valuable properties of the White Norfolk turnip, (it being under that name I purchased the seed). I sowed last August with timothy seed, several pounds of turnip Lin. Sorghum sac
Broom grass—Broom seed, which were particularly recommended to me for stock. They grew off finely, and preThis species, a native of the East Indies also, sented every appearance of a large yield, till differs from H. Sorghum by its expanded and al- about the middle of October-when I perceived to eight feet high, the leaves are, lanceolate, ing the timothy which had handsomely taken. The valves of the calix are entirely pubescent, main, under the hope the winter frost would in the hermaphrodite flowers; in the same, one kill them-but to my great surprise, they were of the valves of the corolla is furnished with a in as good preservation, this spring, as though they This species is cultivated in almost every part At the first appearance of vegetation, the turnips of the United States, for the purpose of making shot up with a most vigorous growth, and precut for the stock presented the richest appearstitute an intermediate genus between Melica and they could sow—as they could feed them through-Avena. The stalk is slender, delicate, about out the entire winter season on the fields, without

simply for the production of seed, of which it affords great quantities-and highly useful for the rich. I have forty or fifty bushels of this seed to spare, and would sell it at a reduced price, say might be wanted.

Truly your's

D. WILLIAMSON, Jr. Lexington, June 28th, 1824.

IF Any orders left with Wm. F. Redding, at the Post Office, will be attended to.

Edit. Am. Far.

-00

From the Plymouth Memorial.

IMPORTANT DISCOVERY.

A new and expeditious method of Milking Cows. I have had the satisfaction of witnessing, in nuity. presence of a number of gentlemen, a cow evacuating the whole of her milk by the following simple contrivance. A rye straw was introduced into the orifice of each teat, through which the milk flowed spontaneously in a full and uninterrupted stream, until the udder was completely emptied. In exactly five minutes, between 5 and 6 quarts were thus drawn off. After the straws were withdrawn the udder was collapsed and empty, and not a spoonfull of milk could be ob-

tained by the efforts of the hand.

It is well known to anatomists, that the numerous milk tubes or capals are so formed as to communicate with each other, and all terminate in the extremity of the teat, and the milk is re tained by a power similar to the contraction of a sphincter muscle. The straw or any tube being ly, and allows the milk to flow freely. The discovery of this novel process was reserved for a simple rustic boy in the town of Middleborough. His father, by the name of Bent, having a cow that did not yield her milk without creat street. that did not yield her milk without great strength and effort, was induced to sell her to a neighbour, task, while his brother finished milking another him, brought in his milk before the other. Mr. Bent inquired by what means he had finished milking sooner than usual. The boy was silent, and the secret remained undiscovered for several facility, the cow discovers not the least impatience, but in withdrawing the straw, a little force is required.

nip, equal if not superior, in hardness to the ruta gratulate our milking men and milk maids on this baga, it would afford a good profit to raise it very important acquisition from which may be says the Buffalo Patriot, has had the effect to anticipated the following advantages:

1st. A dairy of 50 or more cows, employs twice Their place has been supplied by the farmers a day, 6 or 8 persons in milking—by this new wagons in the vicinity of Brockport. manufacture of oil, the grain being extrerrely in a day, 6 or 8 persons in milking—by this new rich. I have forty or fifty bushels of this seed to method, if the tube is made of the full size of the orifice to receive it, the whole business may be twenty cents per lb. for any large quantity that performed in one third of the time, and with greater ease to the milker and the animal.

2d. We may be relieved from the unpleasant

3d. When the udder is in an undurated or

milked with less trouble and danger.

Had this curious discovery been made by philosophers and physiologists in past ages, they might have claimed a rank with Franklin and Jenner, but the Middleborough boy is surely entitled to the public consideration for his inge-

may be permitted,) on this occasion, to suggest another happy consequence that may result from this discovery, one in which our personal feelings are more particularly interested.

JAMES THATCHER.

near this city, a few days since

Editor Am. Fur

been favoured with a letter from Dr. Thatcher, of a hundred of goods cost six dollars. These

"The cow on which I witnessed the experi-ment, is still milked with straws, with perfect Amsterdam, "which," savs the writer, "for but she was for the same reason returned again facility and unattended by the least unfavorable magnificence of design, and for the manner of effects, but in other instances, under the manage- execution, reflects high credit upon the Dutch to the original owner. The boy always dreaded the milking as a very laborious and fatiguing ment of boys, I understand that serious difficulties have ensued; such as obstructions in the cow in half the time. After some time, however, teat, and diminished quantity of milk, &c. Inthe port of Amsterdam has hither to been through
the boy who had the most difficult task assigned the New-England Farmer, I would thank you dangerous navigation, owing to numerous sand only to refer to it, and state the information banks, has lately proved almost a fatal inconvewhich I now communicate. But if you should nience to the commerce of this city. This noprefer to insert the whole article or an extract ble canal is an effort towards restoring Amsterdays, when his father accompanied him to the barn and had his curiosity fully gratified. The ed injury by the unskilfulness of boys introducing to compete in natural advantages with the boy opening a box which contained a number of rough quills and straws, and that further experi

develope further the immense utility of our ca bour is, of course, upon an immense scale, and Small quills made entirely smooth at the end nal system. Mr. Hackett, of Utica, advertises exhibits a beautiful specimen of workmanship, would be preferable; but milking tubes may be Earthen Ware from Liverpool, re-packed at both in the masonry and the carpentry. This, made of silver or tin and it is not improbable Utica, at the New York wholesale prices without and the lock into the Texel, as I was also inthat those articles will soon be numbered among any charge for transportation, (nearly 240 miles formed, are the only two locks upon the whole our indispensable utensils. The size should be a from New York,) "the low price of portage on line. The canal requiring to be continued into little larger than a quill from the wing of a hen, the Canal" being too inconsiderable to be rethe deep water of the harbour, was obliged to Whether the habitual employment of the tube garded!!!—And by the Statesman of last even be carried out for some distance on artificial Whether the habitual employment of the tube garded!!—And by the Statesman of last even be carried out for some distance on artificial will tend to impair the retentive power of the teat or otherwise prove injurious, must be determined by experience; but I am inclined to the opinion, that no injury will be produced, as the substance of the teat is not very susceptible of irritation or of inflammation. We may now considered the substance of the sands and waves. The work-

The facility of transportation on the Canal. banish the six horse teams from our streets.-

N. Y. Paper.

From the Albany Argus of Tuesday.

The board of canal commissioners met in this city on Tuesday and Wednesday last. During a apprehension of dirty hands employed in milk- hold sittings at Schenectady, for the purpose of part of the present week, we understand they appraising the damages sustained by individuals, living on the Mohawk, whose lands have been diseased state, or the teats tender and excoriated, the animal may be milked without pain.

4. Fractious kicking cows may in this way be nomination so the Presidency of the Board, could not have been made with a more judicious reference to the desires and expectations of the public. The able and faithful discharge of the official duties, and the numerous acts of public munificence which have distinguished him as a spirited and liberal citizen, have contributed to Ity.

I cannot resist the desire (if the association found, doubtless, as serviceable to the State as any that has preceded it, notwithstanding it may be less the subject of gratuitous newspaper eulegy and commendation.

We perceive it stated in one of the papers of

this State that "a barrel of flour can be transported from Albany to New York, for twelve [The Editor of the New-England Farmer, in cents and a half, and that one individual advercopying the above, adds the note below—in tises to do it for seven cents." And it is added, confirmation of the above, we can state on the "that when the Eric Canal is finished, a barauthority of a gentleman who witnessed it, that the experiment was successfully made on a cow ded to, we learn also that "100 weight of goods near this city, a few days since] can now be conveyed from the city of New York [Since the above was in type, and part of it lars and fifty cents." From Philadelphia to Costruck off, the Editor of the N. Eng. Farmer has lumbus by land, 450 miles, the transportation

nation."

"The communication between the Texel and rye straws, one of which being introduced into each teat, the cow was speedily milked without the smallest exertion. The straws are introduced as to the utility of the method."

THE CANALS.

other commercial nations of Europe, and although only commenced about three years ago, is already in such a state of completion, that ships of war, as well as merchant's ships, can now, as I was informed, sail directly out of the other commercial nations of Europe, and al-Texel, over this inland navigation, into the ve-Scarcely a day passes but something arrives to ry town of Amsterdam.—The lock into the har-

men being now occupied in raising these banks still higher above the water's reach, afforded me an opportunity of observing the mode of the proceeding, which is simply this: the side next DEAR SIR, to the water presents a smooth and regular has-ket work of strong oziers, strengthened at near intervals by powerful withy stakes; within this frame-work are laid, in a horizontal direction, large bundles of green oziers, as closely as they can be packed together, and a slight quantity of mould being thrown in, just sufficient to fill up the interstices, another range of similar bundles is placed transversly with the last, and over this is laid a thin layer of mould well trodden down, and the sthe work proceeds narrowing to the top, capability of repair by common labourers (for your readers, you can throw them into the where the whole is well secured by a strong co-vering of clay. Thus the bank soon becomes a mass impedetrable by air or water."

In France surveys are going forward for a Grand Canal, to communicate between the Mediterranean, the ocean, and the interior of France. The rivers Rhine, Saone, Meuthe, Morelte, Meuse and Mawl, will be made to communicate.-The example of the State of New York is working wonders all over the world.

> -00 From the Lancaster Gazette.

BURNING OF LIME.

Since the Farmers have found that Plaster of Paris has no longer much effect as a manure, many of them have began to burn lime to put on correspondents are more numerous, in proportions, would make on 50 acres!!—You may their lands. The burning of lime is an art that tion, than in the South.—Should this meet the calculate, then, the real economy of his system few of them are acquainted with in Lancaster filled, as hereafter directed.

The experience of those who burn lime in these by the roots.] places has brought the art to a great degree of perfection. The bench of the kilus, (that is the part on which the arch is begun) is two feet high. From the bench to the top of the kiln sixteen feet. The eye of the kiln has an iron door which is always kept shut, except when putting in wood, which is all thrown into the arch, of course not which is all thrown into the arch, of course not You are aware how much the travelling in the the land, at the rate of 20,000 to the acre, costany burnt in the eye. All the air is admitted United States has been increased by the won ing on the shore 50 cents per thousand. My any burnt in the eye. At the art is admitted United States has been increased by the won ing on the shore 50 cents per thousand. My thro' the ash-hole, and must pass through the derful facilities which have grown out of the apfers, which is much better than being admitted plication of steam power; and by improvements es rapidly into a state of extreme putrefaction, at the eye, except what unavoidedly passes in in all sorts of vehicles —A journey from Balputing in wood. In setting or filling the kiln, timore to Boston is performed in less time, and when the arch is cleared, sticks of firewood are with less privation of personal comfort now of wheat, of six or girls inches diameter the the rest already the tops of these, and so continue them to near friendship, and sympathies of every kind. the top of the limestone. In Plymouth they genthe top of the limestone. In Plymouth they gen- Another obvious and important advantage craffy burn one and a half cords of wood for eve- which this increase of travelling might be made

A cord of wood burnt in two hours will pro- the departments and practices of Husbandry. duce double the intensity of heat that a cord soned is better than when dry or green.

on the top of the Diligence,"

TAKING UP TREES BY THE ROOTS.

HOW IS IT BEST DONE?

Wake Forest, June 24, 1824,

I have seen in the newspapers a notice of a machine used in New-Hampshire or Maine, to extract the stumps of trees from the ground, which it is said to do in an easy and expeditious manner. As I am desirous of smoothing a piece of ground, well studded with the stumps of gums and maples, in order to convert it into meadow. I shall be glad to be informed whether the utili-ty of this machine has been well established by posed would have attracted your own eye, and our negro artizans cannot keep a Wood's pat- Farmer. ent plough in order,) make the work it performs on a small scale, such as to justify its use on the Mackall, a young and zealous farmer, near Elkscore of economy. If thus approved, and your ton; and as I know you are alive to all that conscore of economy. If thus approved, and your ton; and as I know you are affect of all that concorrespondence with the East shall place it in your power to obtain for me a good description give you a brief sketch of his system, which is, and drawing of the machine, your doing so will be a favour that cannot be repaid, otherwise that by the title, already well earned, of a benefactor to the public and of your friend and number that maxim, is never to make an unprofitable expenditure of labour, and time in without the concorrect.

CAT 'IN JONES.

General Jones' wishes, than by publishing the ance, would yield him 35 bushels to the acreabove clear expressions of them—our subscribers say \$350 bushels—as much as many persons, in the Eastern States are much less, but our by following the old, and the yet too common eye of any of them, we hope and believe the by deducting the seed, and labour of cultivation county; of course they consume more wood information will be promptly given, and if any and narvesting fifty acres instead of ten, to obtain if their kilns were properly constructed and engraving be necessary for the better elucidation tain the same result; besides the interest which of the subject, we will have it done with plea- is lost on the capital invested in every foot of of the lime is burnt that supplies Philadelphia. and economical contrivance for taking up trees

Ed. Am. Farm.

On Board the Steam Boat United States—}
June 28th, 1824.

SIR.

set on end, of six or eight inches diameter, the than was formerly required to go to Philadelfirst circle around the the crown of the arch phia—while these facilities for inter-communithe next two feet from the first, and so on, cation promote the health and pleasure of indivithe last circle about two feet from the wall of the duals—they tend politically to sement the union,
the last circle about two feet from the wall of the duals—they tend politically to sement the union, kiln: the sticks in each circle to be about two by bringing together the most wealthy and influen- wheat. The land is rather stiff, with a yellow clay feet apart. When the kiln is filled up to the top tial citizens from every part of it; and estab-of the first set of sticks, then place others on lishing between them, the ties of relationship, joining ground, it would not have yielded five

ry 100 bushels of lime the kiln contains, and to yield, is too much neglected; I mean the burn a kiln containing 1000 bushels in less than opportunity which it affords, of noting and accellerating the progress of improvements in all

It is astonishing, as has been strikingly shewn burnt in four hours will give-hence the faster by one of your correspondents, I think Mr. J. M. wood is consumed the less is required Lime-Garnett, how slowly any discovery in the prostone must be heated to a certain degree before cess of agriculture, or improvement in the structivill be lime, and the sooner it is bro't to that ture of its implements, travels even from one degree, the sooner the process is finished, and neighbourhood, much more from one county or breed-he has commenced improving them by the more wood is saved. Wood about half sea-state to another!! I will venture to say that no means of an half blood Holderness Bull, defarmer with an observing eye, can make an ex-A hoy at school gave the following classical chimney, without seeing some thing worthy of Massachusetts Agricultural Society, Gorham translation of these words—Casar venit in Gal his notice and adoption.—I have just returned Parsons, Esq.

Sheep.—The constant liability of this valuable friend, through Cacil County; and though my animal to be destroyed by half starved dogs, has

flittle tour was not so sublime or romantic, as scaling the giddy heights of Mont Blanc, or peeping into the crater of Vesuvius; still you may be assured it was not without its interest and lively pleasure, to a passionate lover of the country, where escaping from the parching heat and bad odours of the town, it is so delightful

"Soon as the morning lark salutes the day,
"Through dewy fields to take your frequent way,
"There to behold the Farmer's early care "In the revolving labours of the year.

your readers, you can throw them into the

My first visit was to your friend Mr. B. F. expenditure of labour and time in cultivating foor land! Hence his whole crop of wheat did [We know of no readier areans to accomplish not exceed ten acres-but these to all appear. In Plymouth and Whitemarsh townships most sure, to make better understood, any efficient land which you have not the means to till profit the lime is burnt that supplies Philadelphia, and economical contrivance for taking up trees fitably. In the operations of this young farmer he experience of those who burn lime in these by the roots.] ful effect of fish-monure, on which he places great reliance. His lots of wheat and con are decidedly the best I have seen, but remember that on the principle, and for the reason above stated, they are lots. The excellence of both these crops is referable to the herrings spread on bushels to the acre-such are the advantages of fish manure, as seen by me for the first time. But after all, nothing will ever induce a good farmer to neglect the great emporium and laboratory—his Barn-yard.
Oxen. He seemed to be fully aware of the

value and economy of this noble auxiliary to the farmer's labours. He had one pair which he told me would easily haul a ton weight-they were in excellent condition, as was every animal

on his premises.

Cows .- These are of the common country scended from the celebrated Bull Holderness, cursion of fifty miles from the smoke of his own imported by that strong and polished pillar of the

might in many situations, be made the most in-crative object to which the Agriculturist could now turn his attention. The certain destruction of them by dogs has grown to be a crying evil, and it is feared a remediless one—since populari-and it is feared a remediless one—since popularimany people have votes, who have little else except—dogs:—and a dog-law might raise a "lue to the editor.

At present

Hogs.-Few have taken more pains to proothers may sell more, few people eat as much heifers. The owner having got himself in the of that choice viand as we, on this side of that breed, is willing to dispose of the original stock. "good old line which" as Mr. Randolph says "divides Maryland from William Penn."*

Speaking of Mr. Mackall's hogs, I saw there and filly from Tunis, of beautiful figure and coa male, and female from Reidesteen N. Lersey thous and high spirit. These animals were se-

a male and female from Bridgeton, N. Jersey, as, the old field sow, running at large, unattended ket. to, and often in the worst condition, generally has more numerous litters, never kills them, and has for the most part, an abundant flow of milk. How is this to be accounted for? It would seem strange that in any case, success in rearing domestic animals, should be in an inverse ratio to the food, and attention given them? I wish some of your correspondents would favor your readers with their experience and reflection on this matter. Oh! miserabile dictu—our worthy and agreeable captain Trippe, with whom all are anxious to make their trips, who moves against all appearance, urder light pressure and with great velocity warrs me that we are passing the Fort, not a very plasant intimation to your friend who so

> "Long in the possy town has been immured "Respired its smoke and all its cares endured,"

but we are told that what can't be cured must be I have ever seen; two years ago I planted a few to his cage.

WHIP-POOR-WILL.

phical lines; except to those which divide our of very beautiful Hogs of the Spanish breed. country from foreign countries; and these should

THE FARMER.

BALTIMORE, FRIDAY, JULY 2, 1824.

DOMESTIC ANIMALS OF IMPROVED BREED, RARE SEED, &c.

The numerous applications which are made to es below the root. the editor from various quarters, to purchase fore, a regular register will be kept, for the pur-General Iredell of that State, and will be sub-

deterned wir. Mackall, with many other tarmers pose of recording and readily referring to the artiin this state, from keeping any sheep. They cles or animals to be sold and purchased, and might in many situations, be made the most lutheir owners, and the persons desiring to purand h is leared a remedites one legislators, and Seller and Buyer, each a commission of five per ty is the polar star of our modern legislators, and cent. Application may be made as heretofore many people have voices, who have little else ex-

At present there is registered for sale-

An imported bull and two heifers of the short cure and rear the best breed of this indispensa-cure and rear the best breed of this indispensa-cure and rear the best breed of this indispensa-bull calf by the imported bull out of one of the orn breed, of genuine blood; also, a full blood

Also for sale, an uncommonly large and fine jack and jennet from Minorca; also, a stallion and filly from Tunis, of beautiful figure and colour, and high spirit. These animals were sea male and female from Bridgeton, N. Jersey, lour, and high spirit. These animals were sesired by that celebrated boar of one year, eight lected for an officer of the navy, with great care months and twenty-two days ald which weighed in hundred and seventy-five potential and judgment, as is thought by the editor of the told me, and indeed I saw that the large and pected to have bred from them on his own farm, fattest sows, of uncommonly fine size and appearance, are often the worst of milkers and off mothers. They are almost sure to overlay many of their pigs, and sometimes to cat them—where an important station, and these fine and fold sow running at large, unattended ket.

> An imperfect Invento y of seeds-animals-curiosities — specimens &c. &c. presented since last notice to the Editor of the Farmer for the osities - specimen: notice and benefit of the publick.

> A Basket o Cherries from that accomplished Fruiterer John Willis, Esq. of Oxford, Maryland, far exceeding in size and solidity any ever seen before, except from the same hands.

A very beautiful gourd more than three feet in length, resembling the club of Hercules, handsomely speckled, and smooth as the Serpent that ducts, at fair market prices. temp of Eve-presented by Thomas Rowe, Esq of Boston.

Early Peas from North Carolina with the following note from D. L. Kenan, Esq.

"The enclosed peas are the most early of any

* For my part, I have an aversion to geogra-broad tail sheep-uncommonly fine-also a pair

Solid Stalk Wheat, Clover, of a quality that as prominent and ineradicable as, I hope, are resembles the old boy for withstanding heat and the peculiar features of our government, In drought-all presented by Commodore Jacob matters of friendship and politics in our own Jones on his return from the Mediterraneanmatters of our government. In drought—all presented by Commodore Jacob matters of friendship and politics in our own Jones on his return from the Mediterranean—ety of the Valley, No. VII.—in the practicability of recountry, there should be no lines, but those which separate honor and patriotism from their opposites, and a most curious affair it is—also our office, and a most curious affair it is—also lines on the above, by L. H. Grearlin, Esq.—Explanation of the figures on the Charlieshope Hive.—General nation of the figures on the Charlieshope Hive.—General here to the great service, which this meritorious sketch of the universal experiments of the preservation of health.—Botani-here to the great service, which this meritorious

tail of the Ram, ascertained by actual measure ment in the presence of several Gentlemen is found to be fourteen inches wide-at six inch

Two Pottles presented as a sample of the fa and to sell animals of improved breed—seed of mous scuppernon wine made in great quanti the best quality, &c. &c., have made it necessaties from a luxuriant grape of that dame, grow ry to employ an agent, and to adopt a more sys ing sportaneously on the margin of the Sentinertematic form of proceeding. Hereafter, there non River in North Carolina, presented by

mitted to the taste of the Board of Trustees of ne Maryland Agricultural Society at their next neeting at Lexington—the residence of David Villiamson, Jnr. Esq. on Wednesday next. Several things are omitted—hereafter they

shall be more carefully noted.

PRICES OF COUNTRY PRODUCE - carefulty collected every Thursday, for the American Farmer. By ROGERS & STMINGTON.

Flour, Howard St., \$5.81—Do. Susquehannah, \$5.372—Do. Wharf \$5.50—Do. Rye, \$2.2 \$2.75— Corn Meal, pr. bbl. \$3-Wheat, white, \$1 5 to 31 10-Do. Red, \$1 03 to \$1 05-Corn, yellow, 33 cts.—Do. white, 33 cts.—Rye, pr. bush. 41 cts—Oats, 25 cents—B. E. Pens, 55 cts.—White Beans, none—Whiskey, 27 cts—Apple Brandy, 40 cts—Peach Do. 62 to 75 cts.—Herrings, No. 1, \$2 25— No. 2, 32 00 — Ditto Old, No. 1, \$1 50— Ditto ditto No. 2, \$1 25——Shad, trimmed, \$6 75-Do. Untrimmed, \$5 75-Ginseng, out of season-Linseed Oil, 65 cents.-Clover Seed, out of season-Flax Seed, rough, 75 cents per bushel-Timothy, Ditto \$2 59—Hay, per ton, \$10—Flax, 10 cts.—Candles, Would, 121 cts.—Soap, 7 cts.—Pork, Mess, \$15—Ditto Prime, \$12— Butter, 7 cts. to 14 cts. - Lard, 81 cts. - Bucon, 6 a 7 cts.—Leather, Best Sole, 24 to 27 cts.reathers, 35 cts.

Tobacco-No alterations since last report.

Fleecy Dale Woollen Factory, NEAR MONOCOCY MILLS.

Having entered upon the manufacture of Woollen Goods of every quality and description, as well as those of part cotton and part wool, articles in that have will be exchanged for wool, sheep, cattle, hogs, bacon, grain, lard, outter, poultry, and nearly all kinds of farm pro-

Wool in lots of not less than 50 pounds, will be received to be manufactured into such goods as may be ordered, with fidelity, neatness and despatch, at customary prices, in barter for

the above articles.

As machinery of the best kind and in the best endured; and if you can endure this scrawl, I of them the 20th May, I had several dry pods order will be kept, and as no hands will be remay give you a continuation of it at some leisure the 4th July following, I lost the seed and could tained but such as are orderly, skilful, and inmoment, in the mean time, the bird must return not obtain them again, until a few days past I dustrious, the public are assured that no avoidgot a quart or two; I take the liberty of sending able disappointment shall occur to those who may wou those few, in order that you may try them." bring their wool to be manufactur A Ram and Ewe of the Barbary Mountain cloths to be finished, at this factory, bring their wool to be manufactured or their

The public's ob't serv't,
ALEX. HAMILTON BROWN.

CONTENTS OF THIS NUMBER. .

here to the great service, which this meritorious and distinguished veteran of our gallant Navy has done to the agriculture of his country. It may be rendered hereafter.

Another ewe of the same breed, presented by Doctor Sprotson of the Navy.—The flesh of the Rom, ascertained by actual measure.

In Great value of the "White Roms," —In point of the Roms, Another ewe of the same breed, presented by the Roms, Burning of time. Taking up Press by the Roms, ascertained by actual measure.

June 28th, 1824—Domestick Animals of improved breed, seed, &c. - In imperfect inventory of seeds - mimal - cuviolities—specimens, &c. &c. presented since last notice to ublick. - Prices Current. - Advertisement. &c. No.

Pented every Friday ar 23 per anoum, for JOHN S. SKINNER "di-tor, by JOSEPH ROBINSON, on the North West corner of Market and Belvidere street, Haltimore I where every description of Book and Job Penning is executed with on these and distance—Folders from a distance for PRINTING or BINDING, with proper di-tections promptly attended to, addressed to J. Robinson, Baltimore.

AGRICULTURE.

CULPABLE NEGLECT OF FRUIT TREES

[It is matter of regret and surprise, yet it is obviously true, judging from their actions, that almost every Farmer thinks, with respect to his fruit trees, that he has discharged his duty, and done all that is necessary, when he has paid the Nursery Man's bill: and put the trees at certain distances in the ground, firmly enough to keep a strong northwester from blowing them downhaving done that great feat, and even that is not done by one half of our farmers, he leaves them to their fate, to work out their own salvation without ever applying plough, hoe, or pruning

Now there is no animated thing in existence, whether vegetable or animal, that is not liable to disease, decay, and death; and a young tree can no more thrive, and flourish, in defiance of want of nourishment, and the assaults of disease, without care, assistance and protection, than a young child can. Would you have them grow, you must sultivate and manure the ground-keep the earth Ioose about the roots, and take off no exhausting crops from the land. If you wish them to live, you must destroy and keep off the insects that assail them, in every part; you must prune off redundant wood, and heal, by proper applications, the wounds inflicted by accident or the knife—and how should it be otherwise? If you leave your corn to its fate, will not the grass overrun and the birds devour it? If you leave your calf or your colt, to shift for itself, will it not perish? So it is with trees. They require to be looked after-Providence has kindly given us the secds and the grains, but it was never heard of, that they should herfect and prepare themselves for the use of man, without any exertions of his own: and whence, pray, have we derived the notion, that pears and apples, and peaches, and all the lus-cious fruits of the climate and the season, should crown our tables and delight our palates, without the necessity of watching, cultivating and cherishing the tree, from the scion in the nursery bed, to the maturity of the full growth? That they should drop into our very mouth, without the trouble even of plucking them? it was never in tended; and none but the sluggard, ignorant of the inseparable connexion between happiness and employment, would ever expect it. "And the Lord took the man, and put him into the Garden of Eden, to dress it, and to keep it." Saying "In the sweat of thy face, shalt thou eat bread, till thou return unto the ground."

The Gooseberry, for instance, which in its native state is small and without variety of flavour or colour, has, like a thousand other fruits and flowers, been infinitely diversified and improved, by art and industry-so much so that more than RESPECTED FRIEND, fifty varieties have been imported by the brother of the writer of the following communication; the injury stands even those host able to in ad, several years stated, at the lowest the luxury of fine fruit, are often denied mence a thorough investigation into the subject the upper part, correspond in a similar manner. The colour of the insect which produces the their ignoble want of diligence to provide it for purpose. This did not occur until the last sumthemselves. Among the Chinese, whom we after the root, and the decay of the upper part, correspond in a similar manner. The colour of the insect which produces the purpose. This did not occur until the last sumthemselves. Among the Chinese, whom we after the root, and the decay of the upper part, correspond in a similar manner.

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ticultural pursuits, that a peasant whose garden as soon as they appeared, considering the disease or fields are cultivated with the most care is re-warded by being made a Mandarin of his class. mal bodies. This had a good effect, but still A moment given to just reflections of this na-some of my trees perished and others suffered so ture, would reconcile every one who desires to severely, that I was induced to cut them off alenjoy our best fruits in perfection, to take the most even with the surface of the earth. At pains that friend Thomas has done, to preserve length I became confirmed in the opinion that the the lives of valuable trees. If an old horse gets cause existed in the roots, and this conjecture bethe cholic, or a cow the hollow horn, great anxiety is excited—all the old men and old women in the neighbourhood are consulted, and nostrums (July). This tree had, like several others, sudwithout number are prescribed and administered; denly declined from a healthy and highly luxurients. but if a noble tree, bearing from year to year, ant condition, and while loaded with fruit. On the most delicious and melting fruit, be taken carefully removing the earth from about the root sick—no heed is taken of it, no effort made to nothing indicated the presence of worms; there with indifference, it is left to die without inquiring in the appearance of the bark; this difference into the cause, or an attempt to rescue it. Hence was in fact, so trivial that on any other occasion, it is, that in many parts of Maryland, and south I should not have noticed it. These isolated

extract from a valued correspondent in Virginia, and sealed up the entrance of the cavity which it who, after speaking in terms of thankfulness for, and excavated in the tree. This factitious suband commendation of Mr. Thomas's communistance being removed I perceived that the object cation on *heach trees*, makes the following sug-gestions, which go to show how desirable is the peach worm, taken an upward direction; having

attention to that branch of the subject of domestic taking its flight. and rural economy, embracing the management As soon as I had made this discovery, I pro-of fruit trees, I was particularly gratified to find ceeded to examine such of my trees (about a dy which had entirely eluded all my rescarches. result was that every one of these had been killed And if in the discovery of the cause, he has also by worms! In one instance a single worm had found a remedy for the disease, he can hardly be destroyed a fine St. Germain pear tree of nearly aware of the extent of the benefaction which his six inches diameter. The graft had been insertits appearance in the apple orchards of this part between the lower and upper parts of the tree. of this state. In my own orchards it has been confined to the blasting of a small proportion of greater or less degree, the extent of the blight the smaller limbs of a lew trees, but I am informed, in another part of the county, it has nearly at the root. In one tree for instance, one half of destroyed a whole orchard of young apple trees. I hope therefore Mr. Thomas will communicate ed a load of fine and perfect fruit. On examinaas soon as possible, his discoveries upon this sub- tion it was found that the worms had destroyed

CAUSES OF THE PREMATURE AND SUDDEN DECAY OF PEAR AND APPLE TREES.

Baltimore, 6th Mo. 10, 1824.

relative to the insect which assails with such fa and an English nursery man has been known to tal effect the roots of the peach tree, and at the rified, for I found that nearly all my trees containoblige his visitors "with a sight of 300 varieties, same time pointed out a simple, but efficacious ed worms, resembling in every respect those found the largest of which in weight was equal to three method of resisting its attacks. I shall now in as in the pear trees, from which I infer that they atguineas and an half," we have just seen some of brief a manner as I can consistently with the sub-tack indiscriminately both the pear and apple trees, superb quality from the country residence of Maj. ject on which I am about to treat, disclose the which is not surprising, considering their very M Kim, our faithful representative in Congress, result of my researches into the causes of the near resemblance to each other. Here was a safull as large as a pigeon's egg. Some will tell you, premature and sudden decay of pear and apple tisfactory solution of the difficulty which had and find it a pretext for their indolence, that fine trees. What is called the blast in pear trees has perplexed our cultivators respecting the cause fruit costs more than it comes to, and that money been a phenomenon wholly inexplicable to some, of the premature decay of their apple trees, will always fetch it from the market; but all the while a great majority of persons have adopted and of the defectiveness of the fruit. Al-Gold of Ophir will not bring it there, without the absurd notion that it was the effect of electrithough the apple tree when injured by worms the requisite skill, patience and industry, to rear city. Discarding opinions unsupported by proof, does not decline precisely like the pear tree, yet and perfect it. Besides even those most able to I had, several years since, determined to com the injury sustained at the root, and the decay of

fect to despise, so great is their attention to hor-the expedient of amputating the blighted limbs save its life-its premature decay is regarded was however, a slight difference here and there, of it, it may almost be said, of orchards of good spots, though nearly resembling bark, were in fruit, that few are planted and none flourish. We will only for the present give the following ingenuously replaced in part what it had removed best practical information as to apples and pears ascended about a foot from the ground it was as"Having for many years of my life given my suming the winged state and was on the point of

that Mr. T. had discovered the cause of a mala-dozen in number) as had previously perished, the discovery will bestow, not only upon 'the lovers' ed into the stock near the surface, to which point and cultivators of fine fruit,' but upon the nume-the worm had ascended; here it took a longiturous class of orchardists throughout the country. dinal direction, cutting a deep groove quite round The disease alluded to, has been hitherto con-fined to the pear trees, but this spring has made pletely divided, and the communication cut off

In the surviving trees that had suffered in a the limbs perished, while the other half sustainject so deeply interesting to the lovers and cul-tivators of fine fruit."—Ed. Am. Far.] all the alburnum on one side near the root—on another tree one limb only perished, while the rest looked uncommonly healthy and bore perfect and delicious fruit-two worms only had entered this tree. In a word, one of the causes, at least of the premature and sudden decay of pear trees was rendered indubitably evident.

Having removed the worms from such of my trees as contained them, and secured them from the approaches of these insects, it occurred to me In a former letter I communicated some facts that a similar cause might exist in the apple trees: this conjecture was also upon inspection ve-

heginning of the 6th month (June) to the end of the 9th month (September).

tirely to the cortex, but as soon as they acquire sels, to the height of about twelve inches; here they enlarge the cavity and make an opening* through the bark about the diameter of a com tree in one season.

they have acquired nearly one third of their become dry and diseased, and at length perish. growth, no gum issuing as in the peach tree to serve as a clue to them :- after a person has how- in the cultivation of fruit trees, is the permitting side so as to form a slight projection, or what is is one of the best. still better a small barbed fishing hook may be The good effect

composition and matt as recommended in the greater. treatment of peach trees, † taking care to press These which are in the habit of infesting the wounded parts, and preventing them from healing.

Another cause of decay in pear trees is the in-

neath the surface, as soon as the weather is suffi- ral of mine, the TRUNKS of which had acquired in a thousand who have an opportunity of seeing ciently warm in the spring to invite them from three times the diameter of the stocks, and the the books I have referred to; I enclose you from their retreats; and at various periods from the consequence was that the roots were wholly disproportioned to the branches, &c. and inadequate Agricultural Society, alluded to, the extract of a to their support. Trees thus circumstanced must letter from Timothy Matlack, Esq. to the honoproportioned to the branches, &c. and inadequate The larvæ at first confine their operations en inevitably decline, unless they are closely pruntable Richard Peters, President of the Agriculty to the cortex, but as soon as they acquire ed—and I here may observe that all the blighted thral Society of Philadelphia, dated 28th May, sufficient size, they penetrate the alburnum and and defective branches ought to be speedily re- 1811. mostly ascend in a straight line with the sap ves moved-the limbs should he cut off entirely, or at least 6 or 12 inches below where the disease is mon pea, which they close again with a substance darker coloured, and seems to adhere firmly to end with a sticking plaster of any kind, and set that can be easily removed; assuming the winged the limb which may be said to be hide bound, it in a pit of garden mould, (about 5 or 6 inches state, they then issue from their imprisonment Apple, pear, and peach trees, ought not to be diameter, and englazed.) The eye of the cutting through the aperture before described. In a few permitted to ascend too high, but should be pruned must be covered with earth, and then watered to instances they return for this purpose to their above, and induced to spread. Moles are also original place of entrance, but this is not common, exceedingly destructive to pear trees, they not of horse dung on the surface to help it from beand only occurs when they take a longitudinal only eat the bark from the roots but sometimes, direction, in which case a few worms will kill a by traversing both sides of the principal roots, bed, prepared for raising your cabbage plants; It is very difficult to detect these worms until to leave them almost isolated, consequently they further care than that extended to your cabbage

softened in the fire, then straightened and bound parent; the leaves will assume a darker green, the first summer. In November a slight coverwith fine thread or silk upon one end of the iron the trees become more thriving and healthy, and ing of straw, or Indian corn husks, is beneficial As soon as the worms are removed apply the juicy, and the product of course considerably the vine. In February it must be trimmed; and

the composition well into the aperture and to my knowledge, and as I have nearly one hundred termine at which of the eyes it is to be cut off. wounded cavities, as it will not only shield them dred pear trees growing in situations greatly di-What is here about to be said, deserves the more from the injurious effects of the weather, but versified, I will carefully note every phenome-attention as it applies to every succeeding cutting defend them against a variety of noxious insects non which shall present, and communicate with of the vine in every stage of its existence; goes which are in the habit of infesting the wounded pleasure, any further information which I may directly to the ground and principle of its cultivaexperiments.

I am very respectfully, &c. EVAN THOMAS, Jr.

J. S. SKINNER,

considerable cavities which remain in some trees they certainly flow from an acute and penetrating and connecting them together, cuts off entirely As the matts are liable to decay where they these points in this letter, I shall merely add that below, with that of the joint next above; and so come in contact with the soil, and as that is the when there are no worms in the roots, and the on, upward, at every joint through the whole most vulnerable point, I have recently adopted general aspect of the peach tree is sickly, that is, length of the vine. And it is a circumstance not the expedient of covering them with a coat of tar. the leaves become small, pale green, and then less important to be known, and kept in mind, This is an important improvement, as it not only yellow, it will be found to proceed from grass, that all the eyes below the first clasper are form-renders them more durable but repulses the whole and the hardness or sterility of the soil beneath ed in the bosom of the smaller and more feeble insect tribe—a barrel of it costs only one dollar it. This can be proved by a course of manuring leaves, and that the base of these eyes does not and fifty cents, and will suffice for 5 or 6 hundred and tillage, which will reclaim such trees sur- extend across the vine, so as entirely to cut off trees for several years—a man when the weather prisingly; especially, if the dead and defective the pith of the joint below, from that of the joint is warm can apply it to upwards of one hundred limbs are removed. Indian corn and potatoes are next above it; these are therefore imperfect, and trees in a day-a common white wash brush is the the best crops to cultivate in orchards; orchard

common wasp, to which it bears a considerable sufficiency of the stocks on which many of them (Editor of the American Farmer,) of the 2d of resemblance. They deposit their eggs just behave been grafted: this was the case with seve March last; and as there may not be one person the 3d volume of the Memoir of the Philadelphia

"In February, take a single joint of the vine you choose, the "Genuine Tokay," if you can manifested. This is indicated by the appearance find it, cut it off at half an inch above the eye, of the bark, which in the affected part is always and again at wo inches below the eve, cover each deatch the earth from them in such a manner as whenever that is ready, the vine will require no plants. If more than one shoot rises from the eve. But the great and general errors of our country rub off all but the strongest. About the first of June, turn out the vine from the pot and set it in ever, acquired some experience, he will become more expert. The operator must shave the epidermis or outer bark, with a pruning knife of fine steel, and if he observes a slight trace or channel panison, and omitting to remove in due time the plants, it grows best in the best soil. When first containing a substance like fine saw dust, he must superabundant fruit.

These and the worms are the causes of the largement as he proceeds. If the worms have puny and defective condition of our fruits. If we of washing the ground from it. If you water it passed from the cortex into the alburnum, they are desirous of raising large, juicy, and perfect afterwards, pour the water into a trench at least may be extracted without further injury to the fruit, we must abandon such an irrational system, eighteen inches from the plant; for unless this tree, by introducing a piece of softened iron wire, and plough the earth two or three times during precaution be used, watering does more harm about the thickness of a middle sized knitting the season; keeping it clear from grass, and ap-than good, and does most injury in the driest about the chickness of a middle between down one plying occasionally manures of which wood ashes time. As the vine shoots upwards it must be side so as to form a slight projection, or what is is one of the best. The good effect of this method will soon be ap- ing the ground clear of weeds, is necessary for finally the fruit will be larger, more perfect and in preventing a frequent freezing and thawing of here commences what I conceive to be the whole These are the principal facts which have come difficulty in cultivating the vine, to wit: to deacquire in the course of future observations and tion, and will not be found in any author who has written on the subject.'

"Every joint of a grape vine has its own separate pith. This most important circumstance commences at the lowest leaf; that has a clasper* trees as have been visited by worms within two N. B. The interrogatories of the New Jersey opposite a leaf. A solid woody substance, passyears—parrallel with them internally, there are correspondent, deserve particular attention—ing from the leaf to the clasper, through the vine, mind:-as I have disclosed all that I know upon the communication between the pith and the joint

> * The word clasper, is alone used to avoid prolixity, but this circumstance, in after stages of the growth of the vine, takes place also, where the first bunch of grapes stand opposite to a leaf; =0= Vineyard near Georgetown, D. C. May 15th, 1824. which never fails to stand below all the claspers, MR. ELLIOT: which are indeed the barren fruit stems, and Dear Sir, I observe in the Washington Gazette whose chief office is to support the vine and the of the 11th instant, my letter to Mr. Skinner, clusters below them.

* These holes are generally about a foot from the ground, and can be easily discerned in such

for several years.

most suitable for the purpose, and it may be an grass is the most pernicious. filied in the 6th and 9th months (June and September.) As a further security I now bind a folded strip of brown paper, about 2 or 3 fingers wide, around the upper edge of the mat, first smearing the part with the compost. By this pro- MR. ELLIOT: cess the adhesion is rendered more complete, and all access that way effectually prevented.

Both these shoots should be permitted to grow to able, will be considerable, and there will be rea- matters, put the following questions to him, viz: (in planting and gardening,) his opinions are enson to hope for fruit the next season."

the vine, than on others; on some it appears at produce would be? the third leaf on some at the fourth, and on some What will be the probable produce in wine, in "winter did not injure them, which it would do kinds so high up as the fifth leaf; but the same gallons per acre? and what can you sell it for?" the European grape here at New-York. But

In the third February cutting, three eyes upon each shoot may be left on, and not more, howe- do you train them to upright poles or to trellises? ver strong the shoots may be. From this time and how high do you train them from the ground? "those set out in the Spring; cuttings planted in forward, all the side branches from the shoots of To which Mr. Eichelberger very politely fur-"Autumn form warts, which are the embryo not to injure the leaf from whence they spring, answers: which is the nurse of the bud at the root of its

" At the fourth time of cutting the vine, and from that time forward, it may be cut about the "dred dollars per year more. last of October; four eyes on each shoot may be "wine from each vine is a tolerable crop, but left; and at the fifth cutting five eyes on each shoot may be left on, but more than five eyes on "quantity is not uncommon. For the first year a shoot, ought not to be left on, even in the most " or two I sold at three dollars per gallon, but

ed, rather than a cutting of sixteen inches long, within less space, either in a hot bed, or in the "is what he would have expected.". open ground, than a hundred plants can be raised of, one single advantage in their favour; and, in what appears to me to be essential to impress a new country, it is of no small consideration that the same cuttings will produce five times the number of plants."

"It is at the first trimming of the vine, that we try shall feel the advantage or necessity of rais-ger's, and my mode of cultivating the vine is very begin to apply the principle above laid down, and ing vineyards for a supply of wine within our-different; he plants more than four times as it is here only that there ever can be any difficulty selves. A few examples by men of your standing, many vines on the same space of ground that I in the application of it; and this difficulty can will lead them into the practice, in the only way do .- Which mode is the best experience alone can only arise from the very feeble growth of the vine, as not to have produced a clasper in any part of it, pledge myself to you, that whether you immewhich will seldom happen: the vine must be cut diately succeed or not, you shall derive a pleasure off at half an inch above the lowest strong full sure from the attempt itself, that shall amply savineyard will be considered as necessary an apove; otherwise it must be cut half an inch above the lowest strong full tasks and in both cases all the eyes shall cost you. Sporting with the long branches, for there can be more wine made off the same below are to be carefully rubbed off."

bending them in festoons, and marking the space of ground in four years, than there can of "The eye thus left on will sometimes produce growth of the fine clusters from the upper cider in twelve years from an apple orchard; more than one shoot, in which case all but the buds, that in this way may be preserved, and and the value at least four times as much annustrongest should be rubbed off, and that supportoccasionally displaying them at a festive board, ally.

ed from falling down; which, except the keeping has the happiest effect on the human mind. Such
the ground free from weeds, is all the care required as Bonaparte never fett.—These are the proed for this year. In November, this shoot is per play things for great men: and had GENEby planting out the cuttings in the autumn; again to be covered as before directed, and in the vine-

Did the person who offered you the above rent, titled to the greatest credit. "Here you ought to be apprised that the low- (viz. eight hundred dollars for four acres) unest clasper appears higher up on some kinds of derstand what the probable annual expense and "tumn, I am well satisfied it would answer bet-

the year are to be rubb d off, taking great care rished me with the following very satisfactory "of a librous root, and the fine roots push from

"stood the business well, as he was brought up "term it, if the Spring prove very dry." to it; and is now willing to give me two hun-One quart of "when in full bearing, two or three times that be seen and lamented in the following, and probably many succeeding years."

"the acre; we train them to upright poles, and
thing for me to do is to give an account of the
"the grapes are from 1 to 2 feet high. As to
"the grapes are from 1 to 2 feet high. As to
"what profit the person offering the rent might or, as they are called here, helpers. "expect, there are 10,800 vines on four acres,

When I sat down to write I had no idea that

† Mr Webb, (Mr. Eichelberger's neighbour informed me that Mr. Eichelberger was but half "As to the manner of accommodating your vine concerned in that part of his vineyard; conseto its situation, an active imagination would sug-quently the rent was equal to four hundred dotgest a volume upon the subject, and possibly un-luckily miss the only direction suited to the case; ber's saying above "and is now willing to give cutting, and the earth or covering may be remov-but, tortunately the fact is, that a very small me two hundred dollars per year more," alludes ed, at the same time you uncover the grape vines,

whenever you trim the vine, ought to be rubbed and practice here laid down, to an hundred or a upon my countrymen the advantage that Vinethousand vines, whenever the people of the coun-yards will eventually be to us.-Mr. Eichelber-

I also take this opportunity to mention that I above the second lowest clasper; that is, leaving on two eyes to shoot this season, and again rubbing off all the eyes below the lowest clasper.

Both these shoots hould be said to him "One thing thou tackest yet," yard,) as the growth will be so much the more vigerous. And to shew you I am not singular in deluge, thou hast not yet planted a Vineyard " this opinion, I give you the following extract of a Both these shoots should be said to him "One thing thou tackest yet," yard,) as the growth will be so much the more vigerous. And to shew you I am not singular in Dated 28th May, 1811. In consequence of the high rent offered to Mr. Garden, &c. near New-York. And from the their utmost length; which, if the soil be favor-Eichelberger, I wrote to him, and among other long experience of Mr. Prince, and his family,

"ter than the spring, provided that the frosts of rule is to be alike applied to all, and every eye the highest and towest firice? and the probable "to the southward, where the winters are so below the lower clasper be rubbed off." average value per acre per annum? "mild that he vines require no covering. I werage value per acre per annum?

How many vines do you plant to the acre? and have no doubt the growth would be much " stronger from the Autumn planted cuttings than "them early in the season: the cuttings set out "The person who made me the offer, under-"in the Spring do not wart, as the Gardeners

Your's respectfully,
JOHN ADLUM.

COBBETT ON THE EXPENSES OF HOUSE-KEEPING IN AMERICA.

329. It must be obvious, that there must be in vigorous state of growth, at any age of the vine; "since have sold at two dollars per gallon and proportion to the number in family, and to the for however pleasing the increase for the year "none less. I have planted the vines four feet style of living. Therefore, every one knowing may be, the injury thereby done to the vine, will "apart each way, which admits about 2700 to how he stands in these two respects, the best

330. In the great cities and towns, house-rent is it is replied, that roots shooting from a single eye, "and at one quart to each vine, makes 2700 gal-exclusively from itself, are much the strongest, "lons, which, at even one dollar, would be \$2,700, people live there except they have business and strike more directly downward; the show "If we count three cuttings, at three cents each; there, and then, they are paid back their rent from it has less pith in it, the wood is firmer and "from each vine, that alone will make \$972, in the profits of that business. This is so plain shorter jointed, and comes sooner into full bear-" which, added to the other, makes \$3,672; a matter that no argument is necessary. It is ing; and appears to be much the most healthy "from which deduct the rent proposed, and it unnecessary to speak about the expenses of a vine. And to these important advantages may be "leaves a handsome profit. The person who farm-house; because the farmer eats, and very truly added, that a thousand plants, fit to set out, "offered the rent, is acquainted with the busi-frequently wears his own produce. If these be may be raised with single eyes with less labor and "ness and capable of calculation, and the above high priced, so is that part which he sells. Thus both ends meet with him.

331. I am, therefore, supposing the case of a from long cuttings; which have not, that I know it would have taken up so much paper, to put down man, who follows no business, and who lives upon what he has got. In England he cannot eat and

‡ In those situations where it is necessary to lay down and cover the European grape vines. The cuttings may notwithstanding be planted, where they are intended to stand in the Autumn, and a share of common sense, will, in all cases, be fully to the whole rent being four hundred dollars per which is just before the buds begin to swell in sufficient to supply the deficiency; and very lit acre; and I am credibly informed he intends to April, or perhaps wretty far north, it may be the more will be required to apply the principle extend his vineyard to twenty acres this season. The beginning of May.

J. A.

where at more than three miles from New York, as low as it is at the same distance from any great city or town in England. The price of wheaten bread is a third lower than it is in any part of England. The price of beef, mutton, to do in England? Take any fruit which has lamb, veal, small flork, hog meat, floultry, is one that the London frice, the first is as good, the three two next very nearly as good, and all the rest far, very far, better than in London. The sheep and lambs that I now kill for my house, are as through all the boughs and leaves. The manufat as any that I ever saw in all my life: and they have been running in wild ground, wholly uncultivated for many years, all the summer. A lamb killed the week before last, weighing in the where at more than three miles from New York, where the pasture is so rich; where the sun pence half penny (English) a quart for these latuncultivated for many years, all the summer. A lamb killed the week before last, weighing in the whole, thirty-eight hounds, had five hounds of loose fat, and three hounds and ten ounces of suet. We cut a pound of solid fat from each breast, and, after that it was too fat to be pleasant to eat. My flock being very small, forty, or thereabouts, of some neighbours joined them; and the interlopers lately. I suppose the "York-ers" have eaten them up by this time. What they have fattened on except brambles and cetdars, I am sure I do not know. If any Englishman should be afraid that he will find no roast-beef here, it may be sufficient to tell him, that an Ox was killed, last winter, at Philadelphia, beef here, it may be sufficient to tell him, that stons at a price double of that which the American Ox was killed, last winter, at Philadelphia, cans give for that very produce! What a hell-two hence a quart. No Boroughmonger's tax on ish oppression must that people live under! Candulared and some odd pounds, and he was sold dles and soap (quality for quality) are half the price that it is in England. French wine a spirit of enterprise, and of the disposition in the public to encourage it. I believe this to have stantly here, and it is frequently done by gentee (English) a gallon; that is to say, less than the American field in the case of that which the American field in the fitter. I believe this to have stantly here, and it is frequently done by gentee (English) a gallon. Come more stantly and the control of the fittest Ox that ever was killed, last winter, at Philadelphia, cans give for that which the American field in the case of the course of the course of the course of the course of the case of the case of the course of the case of the ca been the futtest Ox that ever was killed in the people, who do not make their own candles.
world. Three times as much money, or, perhaps ten times as much, might have been made, is not every where to be had in abundance. But,

then, if you love toping; for here you may drink yourselves blind at the price of six pence.
336. Fish, I have not mentioned, because fish drink yourselves blind at the price of six pence.
340. Wearing appared comes chiefly from if the Ox had been shown for money. But, this any where near the coast it is; and it is so cheap, England, and all the materials of dress are as the owner would not permit; and he sold the that one wonders how it can be brought to marcheap as they are there; for, though there is a Ox on that condition. I need hardly say that the ket for the money. Fine Black-rock, as good, at duty laid on the importation, the absence of taxes owner was a Quaker. New Jersey had the holeast, as Codfish, I have seen sold, and in cold and the cheap food and drink enable the retailer

ca, is pretty evident from the well known fact that hundreds of thousands of barrels of flour are, most years, sent to England, finer than any that other shell-fish, called Clams. In short, the Here no ruffian can seize you by the throat and England can produce. And, having now provided the two principal articles, I will suppose, as describe them. a matter of course, that a gentleman will have a

have bought as good of Mr. STICKLER of New or two of which are constantly fatting in New walnut, the tulip-tree, and many others, all ex-York, as I ever tasted in all my life; and, in York on the meat and fish flung out of the cellent. The workman paid high wages, but no deed, no better cheese need be wished for than houses. I shall be told, that it is only in hot tax. No borough-villains to share in the amount what is now made in this country. The average weather, that the shambles are left thus garnishprice is about seven pience a pound, (English ed. Very true; but are the shambles of any
money,) which is much lower than even middling cheese in England. Perhaps, generally
speaking, the cheese here is not so good as the left thus garnished in hot weather?

Oh! no! if it were not for the superabundance saw a rift in this country. The hackney coach shortes, and the coaches themselves, at Newbetter kinds in England; but, there is none here

338. After bread, flesh, fish, fowl, butter, York, bear no resemblance to things of the same

nour of producing this Ox, and the owner's weather too, at an English farthing a found, to sell as low here as there. Shoes are cheaper name was JOB TYLER.

They now bring us fine fish round the country to our doors, at an English three pence a pound. I well paid for their labour, there is no borough-

a matter of course, that a gentleman will have a garden, an orchard, and a cow or two; but, if he should be able (no easy matter) to find a genteel reconveniences, he have families ever think of eating a reconveniences, he heads are used at home, or sold, and never in the better than in England. The garden stuff it he send to New York for it, he must buy pretty dear; and, faith, he ought to buy it dear, if he will not have some planted and preserved.

337. An idea of the state of plenty may be have sold French gloves and shawls without before the send of the state of plenty may be have sold French gloves and shawls without before the send of the state of plenty may be have sold French gloves and shawls without before the state of plenty may be have sold French gloves and shawls without before the send of the state of plenty may be have sold French gloves and shawls without before the send of the state of plenty may be have sold French gloves and shawls without before the shawls without before the send of the state of plenty may be have sold French gloves and shawls without before the shawls without before the state of plenty may be have sold French gloves and shawls without before the state of plenty may be have sold French gloves and shawls without before the sold French gloves and shawls without before the sold French gloves and shawls without any breach of coverants after being suffered to express the formed from these facts: nobody but the field of politics as a complete the fi

drink and wear the interest of his money; for so poor as the poorest in England. Indeed the come, and they will have it, or his blood. He wishes to escape from this alternative. He wishes to keep his blood, and enjoy his money too. He would come to America; but he does not know, whether prices here will not make up for the robbery of the Borough-villains; and he wishes to know, too, what sort of society he is going into. Of the latter I will speak in the next Chapter.

drink and wear the interest of his money; for so poor as the poorest in England. Indeed the cheese, and groceries, comes fruit. Apples, peaches at a tenth part of the erity against its being made. Mind, I state distinctly that as good cheese as I ever tasted, if not the best, was of American produce. I know the had high boards on the sides of the wagon held about 40 or 50 bushels. I have bought very good apples this year for four pence half-penny (English) a bushel to boil for little pigs. I besides these, strawberries grow wild in abundance; but no one would take the trouble to get them. Huckleberries in the woods in great LER, in Broad-Street, New-York. And, in-them. Huckleberries in the woods in great 332. The price of house-rent and fuel is, any deed, why should it not be thus in a country abundance, chesnuts all over the country. Four

then, if you love toping; for here you may

340. WEARING APPAREL comes chiefly from describe them.

NOR WAITHMAN, or any body in that line, might
337. An idea of the state of plenty may be have sold French gloves and shawls without be-

name in London.

more than he will wear a halter round his neck.
This is no great matter; for as your neighbour's men are of the same taste, you expose yourself to no humiliation on this score. Neither men nor plague, compared with that of the tax-gatherer? What is this plague, compared with the constant sight of begwonen will allow you to call them servants, and gars and paupers, and the constant dread of begwonen will allow you to call them servants, and gars and paupers, and the constant dread of begwonen will take the servants are beautiful to be a servant to the servants. duct of priests in all ages, negroes were soon introduced. Englishmen, who had fied from tylent and remorseless tyranny. Free, wholly free,
ranny at home, were naturally shy of calling
other men their slaves; and, therefore, "for more grace," as Master Matthew says in the
lent and remorseless tyranny. Free, wholly free,
from this tantalizing, this grinding, this odious
other men their slaves; and, therefore, "for more grace," as Master Matthew says in the play, they called their slaves servants. But, though I doubt not that this device was quite superiors in life, who, without the smallest apparent reluctance, call themselves "Public Ser. I would rather recommend, hang himself at once, vants," in imitation, I suppose, of English Ministers and his Holiness, the Pope, who, in the excess of his humility, calls himself, "the Servant of the Servants of the Lord." But, perhaps, the American Domestics have observed, that "Public Servant" really means master. Be the eause what it may, however, they continue most obstinately to scout the name of servant; and, though they still keep a civil tongue in their head, there is not one of them that will not resent the affront with more bitterness than any other that you can offer. The man, therefore, who would deliberately offer such an affront must be a fool. But, there is an inconvenience far greater than this. People in general, are so comfortably situated, that very few, and those who are not pushed hard will become domes-tics to any body So that, generally speak-ing, domestics of both sexes are far from good They are honest, but they are not obedient. They are careless. Wanting frequently in the greater part of those qualities, which make their services conducive to the neatness of houses and comfort of families. What a difference would it make in this country, if it could be sup- and recurved awn. There is a variety with roots plied with nice, clean, dutiful, English maid ser- apparently tuberous—the leaves of this variety vants! As to the men, it does not much signify; are hairy—and the spikelets have only one awn. This plant, a native of the East, as its name in-bat, for the want of the maids, nothing but the This plant is used for artificial meadows. It dicates, is cultivated with success in the South of

before the ship gets on soundings; and, before matter which it affords, according to the experistraticle: not in the cost, however, so much as in the plague. A good man servant is worth thrrty hounds sterling a year; and a good woman servant, twenty hounds sterling a year. But, this is not all; for, in the first place they will hire only interesting at the most of the small quantity of nutritive matter which it affords, according to the experistration matter which it affords, according to the experistration. If, by any agricultural chemistry the reader is referred for chance, you find them here, it may do; but interesting particulars on the subject of this grass, bring them out and keep them you cannot, of holcus odoratus, and of several other grasses. The best way is to put on your philosophy; important to the agriculturist. H. avenaceus is not all; for, in the first place they will hire only never to look at this evil without, at the same flowers in June. It is perennial. by the month. This is what they, in fact do in time, looking at the many good things that you England; for there they can quit at a month's find here. Make the best selection you can. 7. Holcus Lanatus. Lin. Meadow soft grass: evarning. The man will not wear a livery, any Give good wages, not too much work, and re-

they will take especial care not to call themselves coming a pauper or beggar yourself? If your by that name. This seems something very ca commands are not obeyed with such alacrity as pricious, at the least; and, as people in such sin England, you have, at any rate, nobody to comaversion to the name, seems to bespeak a mixture dow. No insolent set of Commissioners send of fulse firide and of insolence, neither of which their orders for you to dance attendance on belong to the American character, even in the them to show cause why they should not double. The ac belong to the American character, even in the lowest walks of life. I will, therefore, explain the cause of this dislike of the name of servant. on your oath, make you pay the tax, laugh in agricultural chemistry) says that it appears to be property prostrate beneath the hoof of an inso- the richest to the poorest.

345. However, as there are some men, and some women, who can never be at hearts' ease, efficient in quieting their own consciences, it gave unless they have the power of domineering over rise to the notion, that slave and servant meant somebody or other, and who will rather be slaves Hence every free man and woman have rejected tune, proposing to emigrate to America, to conwith just disdain the appellation of servant sider soberly, whether he, or his wife, be of this One would think, however, that they might be taste; and, if the result of his consideration be reconciled to it by the conduct of some of their in the affirmative, his best way will be to conti-

I would rather recommend, hang himself at once. -00

FOR THE AMERICAN FARMER.

BOTANICAL SKETCH of the principal gramina use ful, or likely to become useful, in husbandry.

(N. B. In the last No. variety y was erroneously printed variety (.)

some French Botanists.

by Muhlenberg and others, among our indigenous gramina. It has been removed from the genus has a short awn-the male flower a long, twisted, to Virginia.

The former are all good, absence of grinding taxation, can compensate thrives best on strong, tenacious clay. It is not sound, clean and handsome. What the latter As to bringing some with you, it is as wild a much liked, however, by cattle; horses, partiare, I need describe in no other way than to say, project as it would be to try to carry the sun-cularly, eat it with apparent reluctance—probathat the coaches seem fit for nothing but the fire, beams to England. They will begin to change bly on account of the small quantity of nutritive

> Avena lanata. KEL. | Salem grass. | White timothy.

This plant is indigenous both in Europe and in America. It is very common in meadows, where its general aspect renders it conspicuous. Its stalks are villose, about one foot and a half or two feet high-straight-and terminated by a diffuse or expanded panicle-of a whitish or light tuations of life, really are servants, according to even the sense which Moses gives to the word, deliver" twenty or thirty times in the year by the he forbids the working of the manservant the position. Each corolla contains an awnless fertile flower—and a sterile one, armed with an awn, and the maid servant the position, the most of the manservant the position the maid servant the position the most of the manservant the position the maid servant the position the most of the manservant the most of the when he forbids the working of the nanservant the insolent agent of Boroughmongers. No one bent in the form of a hook. The glumes are viland the maid servant, the objection, the rooted comes to forbid you to open or shut up a windless. The plant is perennial, and flowers in June aversion to the name seems to be speak a mixture dow. No insolent set of Commissioners send lose. The plant is perennial, and flowers in June

When this country was first settled, there were your face, and leave you an appeal from them, served the same source, and leave you an appeal from them, served by all sorts of cattle. He as no people that laboured for other people; but, selves to another set, deriving their authority serves the same of the hay made out of it. Lacard mark calls it un bon fourrage, and Muhlenberg part off his own shoulders, as we see by the conduct of priests in all ages, negroes were soon in the property preserves beneath the best of an iron the richest to the poorest

8. Holcus mollis. Lin. Avena mollis. K@L. Creefing soft grass. Aira mollis. Schr.

This plant is a native of Europe-commonly found there in dry places. It is perennial, and flowers in July and August. Its stalks are about 13 foot high, geniculated, and hairy at the joints. The panicle smaller and less tomentose than in one and the same thing, a conclusion perfectly themselves than not have it in their power to natural and directly deducible from the premises. treat others as slaves, it becomes a man of for violet or purple tints. The glumes invest 2 flowers-the one generally male, with a pedicel, and a long awn at its tip-the other hermaphrodite

This is one of the best grasses. It affords a considerable quantity of nutritive matter when in bloom, and makes excellent hay.

9. Holcus striatus. Lin. Striated holcus. to be an Aira.

I notice this species because indigenous. It was first made known by Clayton, who found it in the swamps of Virginia. The leaves are flat, long, with a sheath rather thick and striated .-The panicle is close, oblong, pyramidal, with very short, dense, and branching pedicels. The 6. Holcus avenaceus. Schr. | Tall oat grass. | very short, dense, and branching pediceis. The Avena elatior. | The Fromental of glumes, which contain two flowers, are striated. mutic, and acuminate.

This plant, a native of Europe, is also placed 10. Holcus laxus. LIN. \ Lose flowering holcus, Muhlenberg and others, among our indigenous

This species is also mentioned by Clayton. It avena among the Holci, on account of its male and has the aspect of Melica carulea Its culm is two hermaphrodite florets. Its roots are fibrous, feet high—slender—rather bending—the leaves creeping, and put out stalks about 4 feet high, are numerous, smooth at the surface—but rough The leaves are long-glabrous or nearly so-stri- at their edges. The orifice of the sheath is vilated—about 1 inch broad. The panicle is long, lose. The panicle is capillary—with few ramifilose, but narrow and pointed. The spikelets concations, and an inclined aspect. The male flower
sist of two flowers. The hermaphrodite flower is oval and dense. This plant grows from Canada

this plant, which has a perennial root. Holeus decolorans and Holcus nitidus have great affinities

It is proper to mention the Holcus compactus, to which the Holcus cernuus of Muhlenberg, cul tivated in gardens, and flowering in August and September, bears so great a resemblance as to have induced some Botanists to pronounce these naked stems about the root, and even under as well with the most simple as the most comtwo plants to be of the same species. The Holcus cernuus is easily recognized by the appearance of cernus is easily recognized by the appearance of the stalks are many, round, about 2 feet high. try people employed in hard manual labour; of the panicle, twisted in its incipient state, and the leaves are rather wide and nearly linear, children who have not been mismanaged in the afterwards inclined or pendulous-and by the flat, lenticular form of its seeds, spotted with red. It goes, as well as the H. Saccharatus, under the vulgar name of Broom-corn. The milium nigricans, used in Peru as an article of diet, is a Sor-

ghum or Holcus, &c. Thus much for a genus some species of which, such as Holeus spicatus, H. bicolor, &c. seem to have lately excited a considerable degree of attention in the southern states. The inquisitive agriculturist will not, however, confine himself to these outlines and hints—he will recur, for ample and recent information, to the works of the latest and most approved Botanists, with which every agricultural society ought to be supplied. such as Holeus spicatus, H. bicolor, &c. seem to Egypt, India, &c. had long since furnished a ed here only on account of its singularity, not be-Good-Hope, New-Holland, South America, &c. have greatly added to that bouquet—and several species might probably be naturalized with advantage in the United States. From the little I have remarked respecting the laceration of this genus by the moderns, it will be inferred, perhaps, that botany is yet in a vague, confuse state. The inference would be erroneous. Even the large groups of Linnæus are of infinite utility—but the discerning eye, the indefatigable diligence, the microscopic accuracy of modern investigators aim

accomplished at no very distant day. I now pass to the genus.

Milium) Afillet. (Triandria-Digynia.) S Mil-petit mil. (Milium from Mille, a thousand, on account of the great number of the seeds in this plant.)

strictly according to their affinities-and to sup-

chain of vegetable existences, is the commenda-

ble object which they have in view, and which

from the laudable and characteristic ardour of the

It must already have struck the reader that the vulgar name MILLET is extremely vague.— We have seen it already given to several species of Holcus: it is also applied to milium, a genus so nearly allied to Agrostis as to have been united therewith by Lamark, and other modern Botan-ists—some species of Milium have also been in corporated with the genus Panicum. The Pani cum italicum, and Panicum Miliaceum, were the 2 principal species of Millet used by the ancients for making bread. Great confusion must unavoidably prevail in respect to Millet, until all the plants indiscriminately grouped by the imagination under that name, be accurately distinguished.

The generic characters of Milium, are a 2 valved nearly ventricose calyx, valves unequal

a panicle at its top, and female flowers, and, con- be unnecessary. sequently, the fruit at the extremity of scapi or

tween the joints, covered with long, whitish, convinced of the advantages resulting to both rough hairs, tuberous at their insertion. The sheaths are round, striated, hairy like the leaves; the upper one has no limb extending from the culm, but ends abruptly. The panicle is terminal, and bears only a few flowers, which are all to add, in this place, any other remark, than that male its remiffering the considerable in the point of the advantages resulting to both middle and body; from a simple and frugal diet.

2. The artificial appetite of the epicure, the hypochondriac, and the tipler; all may be ranked under the same class. It would be needless to add, in this place, any other remark, than that ing acquainted with its qualities.

2. Milium effusum.

Ag. Chem.) It is perennial.

ply all the links of the immense and splendid 3. Milium distichum. MUHL. ?

age after natural knowledge will, no doubt, be it are 6 inches long, \(\frac{1}{2}\) inch wide—obtuse, ciliate, attention. When the stomach loathes whole-glabrous. The spikes are conjugate. The flowers are solitary, alternate, distichous. The seed is compressed, ovate \(\frac{See Muhlenberg and El-}{2}\) taste, it should be previously ascertained whethliott, two writers who have, together with Pursh er an emetic be proper, or necessary to evacuate and Nuttall, made immense and important addits foul contents. Yet to determine this point tions to the Botany of the United States.)

> formerly ranked under Milium, will be described. hand, the administration of a simple emetic may nicum, a genus confessedly no less intricate than of air and diet; carly rising in the morning; extensive.

> > L. H. GIRARDIN.

GENERAL RULES FOR THE RESTORATION AND PRESERVATION OF HEALTH.

ON APPETITE.

containing one flower -- a corolla composed of stinctive desire by which the animal is led to medicines. According to our experience, the

The stalks are of the size of the little two very short valves, with or without an awn. pursue the gratifications of sense. In the prefinger, and rise from 2 to 6 feet. The leaves Stigmas plumose or villous. Flowers paniculate sent instance, however, we shall confine its meanare at least 2 fect long, and more than one inch broad—smooth—green—longitudinally marked with a white line. The paniele is ample, terminal—loose—of a reddish colour. The herma-Double flow- animals is naturally simple, because it is not imphrodite flowers are generally awned—the male 1. Milium Amphicarpon. Pursn. Sering Millet. paired by art. Thus, if children were never enflowers awnless. There are 3 or 4 varieties of Millet mono- ticed, by weak parents and ignorant nurses, to This very singular grass was found by Pursh in or to partake of highly flavoured artificial dishthe light sandy fields of New Jersey, near Egg-harbour, where it flowers in July and Angust. Its singularity consists in having only male flowers in believe that the following classifications would

1. The natural appetite, which is contented pound and delicious dishes: such is that of counstriated, shorter than the parts of the culm be mursery; and of every rational person who is

which apply to the latter species; nor is it at-LIN. ¿ Common Millet- tended with any other disadvantages than those

discerning eye, the indefatigable difigence, the microscopic accuracy of modern investigators aim at something still more satisfactory. They have observed chasms, and they wish to fill them up. To present all the families, genera, and species of plants in their true natural order—to group them plants in their true natural order—to group them its nutritive powers are small. (See H. Davy's such as the liver, bowels, uterus, &c.; or by instally according to their affinities—and to sup. testinal worms, obstructions of the mesentery, Twin-spiked and many other causes. Hence it will be under-Milium paspalodes. Elliott. S Milium or Mil-stood, that there can be no specific remedy suggested to remove the complaint; but that the This plant is very common in Carolina, where it grows in the vicinity of salt water. The culm is creeping—compressed—glabrous. The leaves general, however, the following hints deserve requires a degree of skill and experience which Under the genus Agrostis, a few other species few persons in common life possess: on the other I propose to enter, in the next number, upon the be attended with serious consequences. For this delineation of the most interesting species of Pa- reason, we would previously recommend a change gentle exercise; abstinence from all hot drinks, particularly tea, punch, and hot broths, fat or hard meat, spirituous liquors, tobacco, &c.; to avoid the influence of depressing passions, such as excessive grief, fear and anxiety; and if this treatment, after having been rigorously pursued for several days or weeks, produce no change in the appetite, then to have recourse to gentle Appetite, in general, signifies the natural in-emetics, or rather to the operation of nauseating

water, repeated every ten minutes for two or froth disappeared from the bung hole, which done to the peach tree by insects and worms at three hours together, before breakfast, stands was about twenty days, the hung was put in tight, its roots, requested me, a few days back, to state eminently recommended in disorders of this nada gimblet hole bored on the top of the cask to you, that of all the things he has applied, and ture, and has seldom failed to be of service to in which a peg was loosely put for a week or two after several years experience, he has found to plilegmatick or corpulent individuals, when longer, that some of the fixed air might escape continued for several mornings. But if there as still a very slight fermentation was carried appear to be great fullness of the stomach, or on; then the peg was driven in tight. bowels, attended with the symptoms before described, it will sometimes be necessary to give such an emetic as may, according to circumstances, at the same time relieve the bowels. mixture of two parts of ipecacuanha wine, and one part of antimonial wine taken in single teaspoonfuls every quarter of an hour, without any farther drink till it begins to operate, generally produces the desired effect.

After the stomach and bowels have, by such or similar means, been evacuated, it will be useful to strengthen the tone of the fibres, by drinking small draughts of chamomile tea, or an infusion of quassia, or simple toast and water well prepared, which last may be justly considered as one Am. Far.] of the mildest and most grateful corroborants.

An insatiable appletite may arise from too great a distension of the stomach in early infancy; from an over-abundant secretion of the gastric or digestive liquor; from drinking large quantities of st mulating acid heverage, such as cider, perry, butter-milk, &c. but especially from a bad habit of fast eating, w thout properly masticating hard substances. Hence the first maxim in diet should be, to eat slowly, in order to prevent a sudden distension of the digestive organs, and to allow sufficient time for the food to be duly prepared, and gradually mixed with the gastric juice. It would be superfluous to add any other suggestions respecting the treatment and cure of this troublesome complaint, which in the

TO THE EDITOR OF THE AMERICAN FARMER.

TO MAKE CURRANT WINE.

Steubenville, June 20th, 1824.

DEAR SIR,-The appearance of the currants ripening reminds me of your request, to have the receipt by which the wine was made, that you did me the honor to speak so highly of.

Wash your currents and strain off the juice through a flannel bag; to every gallon of juice, add three gallons of soft water, and to every gallon of the mixture, add three pounds of Orleans sngar, and half a pint of French brandy—fill your cask full and put it into a cool cellar to ferment; when the fermentation is going on, every morning fill up the cask with cold water, that the froth and impurities may work out of the bung hole, which may be lightly covered with a thin rag, to prevent flies from getting in—as soon as the fermentation is over, bung the cask up tight, and let it remain without being opened for one year, when it may be either bottled up, or from rot.* drawn on tap The only material difference in a favour on the above and many other receipts is the addition of the brandy before fermentation takes place; upon which I think the goodness of the wine in a great measure depends; usually the brandy is ad ded after the fermentation is over as is the custom in making grape wine. I had observed that current wine had generally an acetous smell and not unfrequently an acetous taste, which I thought was owing to the fermentation having proceede past the vinous point, for want of a sufficient spi rit being evolved to prevent it; I therefore de termined to add the brandy before fermentation took place, and which I was happy to find h

The season so far has been wet and unusually cold, wind generally north, frequent frosts during this month, so as to make fire necessary morning and evenings. Our crops of small grain in store for us to make a good crop yet.

With the highest esteem, I remain your friend, JOHN M'DOWELL, Jr.

The current wine made after the above recipe, is amongst the very best we have ever seen .- Ed.

> RAISING POTATOES FROM THE APPLES.

St. Michaels, June 23, 1824.

MR. SKINNER,

I have often thought of writing to you on the subject of raising Irish potatoes from the apples which grow on the vines of Irish potatoes. In 1822, I planted a few apples, the drought being great I only raised 7 small potatoes about as large as my little finger end—I planted them in 1823, and raised about 2 quarts, which I planted this year, they seem to grow well. In 1823, I likewise planted a quart of apples, of which only about five hills came up; from them I raised about 3 quarts, they were numerous in the hill. These I likewise planted with the produce of 1822, and present times of frugality, cannot fail to find its all promise fair for a crop. Those I planted in own remedy.

1823, were in the ground from the 7th of April to the 1st of October, and I found them far different from the common potato. I digged some of the common potato yesterday, and they have sprouts from the eyes the length of my finger, but those I raised had not the appearance of a sprout from them, from April to October; which is a plain instance of the genuineness of these po-tocs, and the great utility of raising them.

A gentleman in Ireland, who lived within a mile of my father's, raised potatoes from the apples—they were a round white potato, most delicious—the next year he raised a second parcel, they were a pale red but the same shape—these two kinds of potatoes were discriminated through the whole neighbourhood, and none but them were planted at the time I left Ireland. I have now the prospect of seed enough for my own use; but not contented with that, I should wish to continue the practice of raising potatoes in this way. But one thing I am ignorant of, which I wish you to inform me if you can-how I am to preserve these apples through the winter from frost and from rot.* If you can do this, you will confer

Your humble servant, JAMES PURSLEY.

* Perhaps the better way would be to seal them up, hermetricalis, in a very tight vessel!-Edit. Am. Far.

Editorial Correspondence.

Extract of a letter dated Frederick County, Md. 24th June, 1824.

DEAR SIR,-

My old and respected neighbor, Major R. Johnthe desired effect; the fermentation proceeded son, (the only surviving brother of our first go- healthy and like to do well.

powder of ipecacuanha, in the smallest doses of slowly, and without violence, and was just suf-vernor under our constitution,) on reading varia quarter or sixth part of a grain, in a little cold ficient to throw off the impurities; as soon as the our remedies in your useful Journal, for injuries nothing to have so salutary and lasting an effect, as chamber lye, applied twice in March, and twice in November, around the roots; in quantity, from a pint to a quart each time.

China Grove, S. C. 27th June, 1824.

"The prospects of the cotton crops are at this look well generally, and promise an abundant time unusually fine in this state, and owing to the harvest; crops of grass will be unusually heavy; very low price of all kind of provisions, there is Indian corn is backward, owing to the cold wea-ther, but I hope there is a sufficiency of hot suns mon. It is too early yet, to know whether the rot will attack the cotton, should it escape that destructive disease, there is every reason to expect a very abundant crop."

Respectfully, &c. J. DOZIER.

Washington, Pa. July 2, 1824.

DEAR SIR,

With us the present prospects of the farmer may be considered good. Our wheat crop is fine; rye not quite so good; barley fine: owing to too much rain in June, a considerable portion of our nats are lodged; the crop will still be large .-The frequent rains have prevented our corn from being so well worked as it should have been. It is short, but a good colour, and growing finely the last ten cays. Our grass crops are unusually heavy. The clover fields exceed any thing I have seen. The white clover appears to be again resuming its place in our pasture grounds.

Although we had several severe white frosts the last of May and early in June, we will have an abundance of both apples and peaches; we lost most of our grapes, beans, early cucumbers,

and melous, on the 26th May.

June was very changeable. It rained on sixteen day's out of the thirty. The Thermometer ranged from 42 to 90°, medium temperature at 2 o'clock was 73 1-10°. The depth of rain that fell was $5\frac{3}{4}$ inches, medium temperature of May was 62 1-3°. The rain gauge on the weighing plan answers well-the whole cost did not exceed two dollars.

You will see by the enclosed prices of wool, that sheep farming, unless with the best Merinos, is poor business. Full bloods pay well, but the common coarse kind will not defray the expense Very sincerely your's, ALEXANDER REED. of keeping.

WOOL .- The subscribers will receive wool at the annexed prices, and under a hope that the New Tariff of Duties may have some influence in promoting the sales of their Cloths, they have been induced to change their terms of payment, from what they lately proposed in their advertisement. They will give their notes payable in cash at 12 months, or pay in cloths on delivery, or whenever afterwards demanded. Should the wool be washed on the sheep, they will make a reasonable addition to their stated prices.

For 1st quality 80 cents per lb. do. 60 do. do. Sd do. 45 do. do. do. 4th do. 35 do. do. do. 5th do. B. WELLS & Co

Steubenville, June 5 1824.

Astonishing instance of Fecundity.-A ewe between the Norfolk and Leicester breed, belonging to Mr. Scaber, of New Market, lambed on Monday evening no fewer than five lambs, three ewes and two rams. The ewe and produce are

pectus of a work proposed to be published in be appointed, whose duty it shall be to make the Paris, entitled the Universal Bulletin of the Scincessary arrangements for a Fall meeting and ences and Industry. It is to be divided into exhibition."

The following gentlemen are designated to this to be published monthly, and at the end of the duty, vizyear appropriate tables are to be furnished to each section, so that they may be bound separate. Hough, Fayette Ball, John White, Robert Bra-ly. The several sections will form distinct den and Sydnor Bailey. The committee works, and they may be subscribed for separately. will meet on the 4th Saturday of this month, The eight sections will form seventeen volumes when it will determine what are to be the sub-8vo each year, viz. Sec. 1, devoted to the Mathematical and Physical Sciences, 2 vols.; Sec. 2, to govern the same. These matters will all be the Natural Sciences and Geology, 3 vols.; Sec. 4, Agriculture, economics, &c. 2 vols.; Sec. 5, the Technological Sciences, 2 vols.; Sec. 6. Geography and Voyages, 2 vols.; Sec. 7, History, Antiquities, and Philology, 2 vols.; Sec. 8, the Military Sciences, 1 vol. Matters purely political and literary, are excluded. The object of the multication is stated to be to present to the reamble of two dollars and literary, are excluded. The object of the desired instruction is besides, the Editor will be almost certain to elicit the desired instruction: besides, the Editor will engage to send them personally, to such personal transfer and provided and pplication of Linite and application of Lini the Natural Sciences and Geology, 3 vols.; Sec. made public as early as possible. stance of all academical memoirs, of all periodi-cal publications which are published in the civi-States. cal publications which are published in the civi- States. lized world, and to form a methodical repertory of all facts, and a monthly picture of the successive second volume which has just commenced, are want information in regard to the use of lime efforts of the human mind among all nations. desired to forward a line by mail, to John Cotton, and a general one to all who desire it on any agricultural topick.—We need not dwell on the obout of Mr. de Ferussac. The prospectus enumerates a great many of the distinguished men of science in Europe, who have engaged to assist in the senames of Laplace, Humboldt, and Cuvier. To and Memoirs of Societies, coming within the man. scope of the work, will be received according to their respective prices, in exchange for one or more sections of the Bulletin. Authors and editors of writings of every description upon the sciences, industry, and the military art, are invited to communicate their works, brochés et francs de port, to the Bulletin. Works from the United States may be sent to the care of Mr. Anth. J. Girard, merchant, New-York. They should be sent under the following address—A la Direction du Bulletin Universel des Sciences et de l'Industrie, Rue de l'Abbaye, No. 3. à Paris.

agricultural correspondents, and to their sons who are learning the French language, especially those of them who propose to make an independent and honourable livelihood by the plough, the perusal of this work would be very interesting and useful. To such of our readers therefore we will make this bargain, and be much obliged in the bargain to wit:—They shall have the use of the numbers as they are received, they consenting to do us the favour to translate for the Farmer, such articles as we shall designate by a pencil mark.—Here is an opportunity of rendering some service to a good cause! Who says I will?—Edit. Am. Far.]

30 The "Agricultural Society of Loudon," &c. held its meeting on Monday, the 14th inst. It was large and very respectable, and its proceed ings conducted with a spirit of animation, harmony and decorum that gives assurance of its ultimate success.

Extract from the Minutes. " Recolved, That a committee of eight per-

Bulletin Universal .- We have seen the pros- sons, to be called a committee of arrangement,

Abiel Janners, Wilson C. Selden, Jr., Samuel

desired to forward a line by mail, to John Cotton,

veral sections of the work. Among them are the Esq. of Athol, in this state, for making shingles, ten for, by the inhabitants of every climate, and The machine may be managed by boys, and three the cultivator of every production in the United each section one or more principal editor is thousand shingles made per day by one person, States. assigned, the names of whom are given in the Timber which cannot be worked in the old way prospectus. The price of subscription for the may be wrought by these machines with equal whole, at Paris, is 120 francs a year. Journals advantage with the best of timber.—Bost. States. may be wrought by these machines with equal PRICES OF COUNTRY PRODUCE—careful-

Langley, near this borough, which already bears Beans, none—Whiskey, 27½ cts—Apple Brandy, full ripe roasting ears of the largest size. Such 35 cts—Peach Do. \$1.—Herrings, No. 1, \$2 25 forwardness, we believe, is without a parrallel .-Norfolk Herald, June 21.

Messrs. Field and Clark of Utica, N. Y. lately [Two Sections of the above; the one the Natural Sciences and Geology—and that on Agriculture and Rural Economy, are received in exchange for the American Farmer. To some of our canal, with the following inscriptions: (on one Butter, 7 cts. to 14 cts.—Lard, 8½ cts.—Bacon, 12 cts.—Bacon, 24 to 27 cts.—Bacon, 25 cts.—Bacon, 25 cts.—Bacon, 26 cts.—Bacon, 26 cts.—Bacon, 27 cts.—Bacon

> Grand Erie Canal, A splendid monument of the Enterprize and Resources of the State of NEW-YORK, Indebted for its early commencement and rapid completion to the active energies, pre-eminent talents and enlightened policy of DE WITT CLINTON, late governer of the State,

(On the reverse)

Utica, a village in the state of New-York, thirty years since a wilderness; now (1824) inferior to none in the western section of the State,

In population, wealth, commercial enterprize, active industry and civil improvement.

EPIGRAM.

On the Marriage of Mr. Jon. W. Honey, to Miss Mary S. Austin.

From sweetest flowers, the busy Bee Can scarce a drop of Honey gather; But Oh! how sweet a flower is she, Who turns to HONEY altogether.

TIE FARMER.

BALTIMORE, FRIDAY, JULY 9, 1824.

The Editor has been several times request-

Vious benefits that must flow from the adoption of VALUABLE IMPROVEMENT.—A machine, prothis system of "QUESTION AND ANSWER" through pelled by water, was invented by Willard Earle. the medium of a Journal, which is read and writ-

ly collected every Thursday, for the American Farmer. By ROGERS & STMINGTON.

Flour, Howard St., \$5 81-Do. Susquehannah, EARLY VEGETATION.—Among the pro-ductions of our soil whose early maturity we have had occasion to notice the present season, none Ditto white, \$1 6 to \$1 10—Corn, yellow, 34 perhaps are more worthy of remark than a growth cents-Ditto white 34 cents-Rye, per bushel, of Indian Corn, on the farm of Mr. Lemuel 41 cts—Oats, 25 cents—B. E. Peas, none—White Langley, near this borough, which already bears Beans, none—Whiskey, 27½ cts—Apple Brandy, No. 2, \$2 00—Ditto Old, No. 1, \$1 50— Ditto ditto No. 2, \$1 25——Shad, trimmed, \$6 75-Do. Untrimmed, \$5 75-Ginseng, out of season—Linsced Oil, 65 cents.—Clover beed, out of season—Flax Seed, rough, 75 cents per bushel— 6 a 7 cts.-Leather, Best Sole, 24 to 27 cts.-Feathers, 35 cts.

> Tobacco.-Few sales the last week, and only 30 hbds. inspected at State Warehouse, No. 1.-Prices remain the same as last report.

> The number of hlids, inspected at the three Warehouses during the last three months, ending 1st July, was 6881.—The number of hhds. shipped within the same time, old and new inspection, was 4976.

> > CONTENTS OF THIS NUMBER.

Culpable neglect of Fruit Trees—Causes of the prema-ture and sudden decay of Pear and Apple Prees—Cultivation of the Vine—Cobbett on the expenses of house-keeping in America—Botanical Sketch of the principal gramina ing in America—Botanical Sketch of the principal graining useful, or likely to become useful in husbandry, No. IV.—General Rules for the restoration and preservation of health—To make Currant Wine—Haising Potatoes from the apples—Extracts from the Editor's Correspondence, dated Frederick County, (Md.) 24th June, China Grove, (S. C.) 27th June, and Washington (Pa.) July 2—Bulletin Universal—Minutes of the Loudon County Agricultural Society—To Physicians—Valuable Improvement—Early Vegetation—Presentation of a pair of Pitchers to De Witt Clinton—Briggram—Editorial Remarks—Prices Current, &c.

Natural History.

ICHTHYOLOGY.

DEAR SIR.

I send you herewith a small phial just received from the honorable J. S. Spence, member of Concounty. What gives them practical consequence is the fact that they enter the months of fish caught in gill nets, and devour every particle of twould be desirable to know more about them; ed by a bloated exterior containing nothing but eulars. bones and water. This pest is said to have made its appearance only since the time of a tremendous storm, a few years since, which broke away one of their inlets on the coast; and is therefore before the cy nothoa can penetrate them. associated in the minds of the people as connected in some particular manner with that occur-rence. In the narrative of Capt. Parry's late voyage of discovery, an account is given of an insect called by them the sea louse, which stripped the flesh completely from the bones of ducks, which had been confined within their reach un DEAR SIR, der the ice. The hint was improved by those on agency of these insects, as the readiest means of teresting, and if the fishermen are not deceived oniscus genera. obtaining the most complete skeletons of such the fact is truly surprising. The animal you did In one account of Capt. Parry's Voyage, the objects. Not a particle of flesh was left on the me the favour to send, as the object of those re little creature which performed an important part bones, nor a bone broken by them. May not marks, is a new species of Cynothoa. All the intaxidermy for the naturalists on board is called these be the same as the sea-louse described in species that I am acquainted with, of this genus, a sea-louse. In the narrative published by Capt, that narrative—and have we until now any ac- inhabit fishes, and are chiefly found attached Parry himself, it is termed a shrimp. The anicount of their appearance in our waters? Certain firmly to the roof of the mouth. The common malsent by you, does not resemble the corepticum it is, they are late and unwelcome visitors in the menbaden or mossbanker, is very commonly in- or sea-louse, described by Browne, and which is waters of Maryland, and if I have presented to fested with a species of these parasites; which found sticking to the rocks in many parts of the

Your's very truly and respectfully.

DOCTOR MITCHELL'S REPLY.

New York, 25th April, 1824.

J. S. SKINNER, Esq.

I received yesterday your communication by the mail. The letter was explanatory of the specifested fishes to be materially injured. But even

on Parasitical Animals, read sometime ago before our Lyceum, and since printed in the Medical and Physical Journal of this place. I partitions as some cautious observer will decide the question and the nabits of these fittle animals. It is certain that the present the present of the appearance in our waters, and the nabits of these fittle animals. It is certain that the present of the appearance in our waters, and the nabits of the appearance in our waters, and I assure you I feel much interested in the nabits of these fittle animals. It is certain that the present of the appearance in our waters, and I assure you I feel much interested in the nabits of these fittle animals. It is certain the nabits of these fittle animals. It is certain the nabits of the appearance in our waters, and I assure you I feel much interested in the nabits of these fittle animals. It is certain the nabits of the appearance in our waters, and I assure you I feel much interested in the nabits of these fittle animals. It is certain the nabits of the appearance in our waters, and I assure you I feel much interested in the nabits of the appearance in our waters, and I assure you I feel much interested in the nabits of the appearance in our waters, and I assure you I feel much interested in the nabits of the appearance in our waters, and I assure you I feel much interested in the nabits of the appearance in our waters, and I assure you I feel much interested in the nabits of the appearance in our waters, and I assure you I feel much interested in the nabits of the appearance in our waters, and I assure you I feel much interested in the nabits of the appearance in our waters, and I assure you I assure you I feel much interested in the nabits of the appearance in our waters, and I assure you I assur cularly noticed these enemies of fishes, because Mr. Worth, directed my attention to an article, rember, in the first of those years (one of the inserted in your truly useful paper, on the subject nost tremendous I have ever witnessed) by washichthyological inquiries.

long, was called by Linnaus, the oniscus. This error as to refer the insect to the order hymenop duced a communication so perfect, that a large has since been divided into various other genera tera and to the genus apis!- An entomologist by the zoologists who have succeeded him. And must not trust to mere external appearances, he

Prehending the kinds under consideration, is de-the mouth, to antennæ, &c. for the arrangement nominated Cymothoa. They have been called of his insects. The author has described one of sea-lice, fish-lice, and several other names. They he sexes of the insect, only, he will find both are remarkable for having "a tail composed of six segments, feet inserted in the lateral edges of the trunk and terminated by a strong hook," &c.

I question very much whether these tornienters gress from Worcester county of this state, con- are new comers. Yet, there is one consideration taining a few of the insects which have of late leading to a belief that this may be the fact. are new comers. Yet, there is one consideration years infested the sea shore and creeks of that For, the species of them generally known, are

their meat, without breaking the skin-so that such as the fish, whether shad, herrings, and when the fisherman flatters himself with having others, which they devour? the numbers that entaken a mess of fine fish, he finds himself deceiv- ter them? the time it requires? and other parti-

> I know no other way of avoiding them, than by and in the creeks of Worcester county frequent drawing the nets, and removing the fish

Truly, as heretofore, and respectfully your's, SAMUEL L. MITCHELL.

PROFESSOR SAY'S REPLY.

your attention an object already familiar to you, species was described by Latrobe, under the Northern Coast of Jamaica, nor can it be placed it has been because it was new to name of Oniscus pragustator. Out of the months in the cancer genus of which the shrimp is a speof 50 of these menbaden, I have taken at least a cies. J. S. SKINNER, dozen of the pragustator, which is very large in I think it probable that it is a non-descript.—Baltimore Post Office, 12 April, 1824 proportion to the size of the fish, as you will ob As it was first seen shortly after a tremendons To Governor Clinton and Doctor Mitchell of serve on referring to the plate in our Philosophi- storm, it may have been conveyed from a distance. New York—and to Projessor Say of Philadelphia cal Transactions. I have even found two indivi
-wuth specimens of the fish eaters.

of the strange notion that this parasite is neces- viate the evil, by a frequent taking up of the nets; This consequence cannot, of course, be admitted; yet, on the other hand, I never observed the inif the circumstance of their being uninjured by J. S. SKINNER, Esq. It is plain enough what the animals in the phial the presence of the unwelcome guest during their are. They belong to the class of Crustacea, and state of life and activity, were satisfactorily asthe order of Isopodes. Among other characters certained, it would not warrant us in denying of these creatures, are the possession of distinct their destructive operations on the body of the My DEAR SIR, heads, two eyes, a trunk commonly divided into fish when taken in the gill-net. But is the fact seven rings, and a tail formed of a variable num-ascertained beyond a doubt, and may not the fish- from Ductor Mitchell and Professor Say,* was ber of rings, having plates or leaves by pairs in ermen be mistaken as to the depredator? The received by the last mail. I now forward more two rows carrying or covering gills, and serving fishermen of some parts of Europe, have many of the specimens of our little seine robbers, sent likewise for swimming.

The marine species are noted for adhering to cetaceous animals and to fish, corroding their singular animal, shaped somewhat like an eel, the latter papers, I remark that both your corflesh and sucking their blood and humours.

These creatures are mentioned in my memoir animal be the real depredator at Worcester? I lity with respect to the appearance in our waters, and the provise of these little animals. It is contained to the provise of these little animals. It is contained to the provise of these little animals. It is contained to the provise of these little animals. It is contained to the provise of these little animals. It is contained to the provise of these little animals. It is contained to the provise of these little animals. It is contained to the provise of these little animals. It is contained to the provise of these little animals. It is contained to the provise of these little animals.

The genus to which several sorts of them be- could the author, of that essay, he so much in rates the Synapuxent sound from the ocean, pro-

he sexes of the insect, only, he will had both described in the Journal of the Academy of Naural Sciences, under the name of GEGERIA exiti-

> I remain respectfully, Your obedient servant. THOMAS SAY.

N. B. It is very probable that Parry's animal, may be similar to the Worcester depredator, but I have not yet read that work.

Albany, 2d July, 1824.

1 received, preserved in spirits, the animals which you sent to me, and which are so destruc-I should like to see one of the excavated skins, tive to the fish caught in gill-nets, on the sea coast

This animal cannot be termed parasitical, because it does not subsist on living creatures. The Cancer Nugax, is described in the appendix to Phipps's Voyage to the North Pole, and is the animal mentioned in Capt. Parry's last voyage.— It is an inhabitant of Northern beas, and al-though the crustaceous creature from Worcester Philadelphia, April 30th, 1824. has the same practice of eating the flesh, and eviscerating the internal parts of dead animals as I receive your letters with much pleasure, be-that mentioned by Capt. Parry, yet it is a diffeboard, whose attention was given to objects of cause their object is always utility. Your obser- rent animal, and its form and appearance do not Natural History; and recourse was had to the vations in the letter of the 13th instant, are in- authorise its arrangement under the cancer or

sary to the very existence of the fish, and they and there is great reason to apprehend that its went so far as to assure Latrobe, that if the fish migrations may be extended along our coast, and louse be removed, the fish immediately dies!!- its injurious depredations proportionally increased.

I am very respectfully, Your most ob't. servant. D. W. C—

REMARKS BY DOCTOR J. S. SPENCE.

Synapuxent, 29th June, 1824.

Your tavour of the 6th inst. enclosing notes til the winter of '19-'20. The storm of Sepof the insect that destroys the peach tree. How ing away a portion of the sand beach which sepa-

* When his was written the letter from D. W. by Fabricius and his followers, the section com- must resort to the conformation of the organs of C. had not been received. -Ed. Am. Far.

Vos. U .- 17.

York and Philadelphia, in shallops of from 20 to fat by these eruel hangers-on.

40 tops burthen through that outlet. It was, I The term fishermen is to be understood as re-40 tons burthen through that outlet. It was, I think, in the second winter after this event that the lating to the farmers of the neighborhood, who gly. It requires a considerable capital as well as subjects of this correspondence were first observe are intelligent, and incapable of misrepresenting very great care and attention. ed. They appeared in as great numbers in that season, as they have ever done since. I assure

under the appeared of infisre with regard to the subject of this note.

I am your's trul you that I have seen thousands of them drawn in with one small gill-net. Our fishermen at this Mr. Skinner. period apprehended nothing less than that they had billeted themselves upon them for that and perhaps all future years. Instead of this as the warm weather approached they disappeared, and in the month of May, not one was to be seen.

This has been their round from that time to the present, with perhaps the difference of their leaving us in subsequent years at an earlier period. It is singularly surprising that these depredators make war upon us alone, who are in the immediate vicinity of the out-let to the ocean. Notwithstanding the sound extends for many miles, both north and south of this place, not one of our vermin, so far as I have been informed, has been seen five miles distant on either side from their immediate path to the sea. The rascals either require the regular kiss of the ocean tide, or like some most distinguished generals, so manage their concerns, as to reserve a safe and specdy retreat. I pretend not to question the correctness of your correspondents with respect to the name of these creatures, nor the genus to which they refer them; but I must be permitted to observe that so far as our disagreeable acquaintance with them has extended, no fact has occurred in connexion with their habits, which would make them in any degree parasitical. They are suffi-ciently active, judicious, and voracious, to be independent of all protection, save that which is afforded by the waters and their bed. They are never found attached to fish, but for their destruction. They attack all the varieties of fish, which are taken by the nets during the season of their visit. When full, or when the temperature is so low as to render them stiff and inactive, they bury themselves in the sand and await more propitious eircumstances for carrying on their warfare. The greater portion of those I sent you were taken from the sand during a run of low tides, and were first discovered by a small aperture, through which the air was admitted, and tender skin of the herring is assailed it would seem at the first point with which they come in contact, while the rock or striped bass, and black or hard perch, are entered by the mouth; or if this opening will not readily admit the greedy swarm, they with almost equal facility enter the latter fish at the lower opening, or vent. Not only the dead, but the living, when once securely meshed, are fallen upon and devoured. I have seen these monsters feeding upon them whilst still struggling for existence.

I will add nothing further to this already fatiguing note, than the expression of the promise to forward to you as soon as practicable in the ensuing year, a skin, either partially or entirely excavated, with a portion of the agents which have effected the work. You will doubtless submit them to the inspection of your New York correspondent. It is not possible for me to answer the inquiry of that gentleman with regard to the number of our animals which enter the fish, nor the time required for their destruction, as the first constantly varies, and the last depends upon except of the species above mentioned.

We are perfectly familiar here with the parasite mentioned by Professor Say. The oniscus prægustator. I have seen the mossbankers and

I am your's truly J. S. SPENCE.

AGRICULTURE.

FROM THE NEW ENGLAND FARMER.

[The following observations on Sheep, we have has possessed advantages for obtaining a know ledge of the subject of his essay of a very superior nature. The Essay itself appears to will be highly valued not only by the agricul- to advance. tural and manufacturing portions of the community, but by those who wish well to the Ed. N. E. Far.

ESSAY ON SHEEP.

BY H. D. GROVE.

Of crossed breeds.

equal share of all the properties of each parent, usually rear healthy lambs at the age of twelve, The idea is very erroneous that the size and and sometimes even at the age of fifteen years. form are more affected by the one, and the intrinsic qualities of the animal by the other-for little less fine, the animal must not on this acalthough, in the first generations, the resemblance to the parent Ram may be most apparent, unmixed this evil will cure itself. If these rules it is nevertheless certain that in subsequent are earefully observed, the increase of a flock of years the distinctive qualities of the Ewe will fine blood may be made very considerable as will again appear in the offspring. A pure race has appear by the following estimate. been earefully preserved in Saxony, which has Commencing with 12 yearling ewes I estimate

The improvement produced by crossing naturally progresses most rapidly where the native ewes are of the best quality, although coarse wooled sheep may also be gradually improved upon in the same way; but in all such cases the size and form will be as much affected as the fine-

made finer have eventually failed.

In the selection therefore, of a breed, or of a single ram for the purpose of a cross, regard should be had solely to the fineness and colour of the wool-to the firmness of its adhesion to the skin, and to the general health of the animal-and not it. We get very few if any fish at that season, sure to disappear in the sequel if the wool does

Of the introduction of a pure breed.

portion of our produce now finds its way to New perch, as I think, deprived of a portion of their perior to the original flock is certainly much more expressive and difficult than improvement by crossing with rams of higher grades bought sin-

> It is seldom that young ewes are to be had at any tolerable price, and many persons who under-take this business are obliged to content themselves with such as cannot yield more than two, or

at most three lambs.

A very important circumstance in a purchase of this kind is to inform one's self about the previous mode of feeding to which the sheep have been accustomed, and if any change is necessary, to introduce it gradually. Better feed will have The following observations on Sheep, we have a tendency to improve affeck, but it is dangerous been assured are from the pen of a person who to make even this change too suddenly.—Those who are able and willing to furnish capital for this purpose and devote the necessary attention to the business will nevertheless find themselves indicate that its author has much practical very soon repaid for their trouble and expense; as well as scientific acquaintance with the nasince, in addition to the extra price of his wool, as well as scientific acquaintance with the na-since, in addition to the extra price of his wool, ture of that interesting and useful animal, the owner of such a flock will very soon be able which forms one of the richest gifts of Provided dence to civilized man. The communication creases, of ewes also; the price of which, if the is very acceptable to us, and we have no doubt best are constantly retained, cannot fail gradually

To make this business productive it is necessary to pay particular attention to the food of the prime pursuits of human industry, although ewes and lambs, and to have the latter dropped they may not be directly or personally concern- early in the season that they may attain their full ed or interested in raising sheep, nor establishing or prosecuting any manufactory in which "The Fleece" forms the staple commodity.] course be carefully excluded from the flock, and the ewes must be treated with extraordinary care to ensure long life and prevent premature barrenness. It is still doubtful whether there is an intrinsic difference in this respect between Merino and other sheep, or whether it is merely owing to the extraordinary attention they have The general rule is that the lamb possesses an received; but the fact is unquestionable that they

Even if the wool at that age should become a

escaped. The mode of their attack varies with had great influence in improving the native wool that each will bear one lamb the first subsequent by constant crossing with full blood rams. But it season, and as many the second, and that half of by constant crossing with full blood rams. But it season, and as many the second, and that half of is certain that real and durable excellence can these are ewe lambs. The third year 9 ewe only be attained by preserving the pure blood; lambs may be expected, the fourth 12, the fifth and the best proof of this fact is found in Spain 18, and the 6th 22. Supposing that the oldest itself, where the Leonese flocks still continue to ewes have now become barren, the same progresproduce 25 per cent finer wool than those of sion will give, at the end of sixteen years from Sozia; although the latter are supplied every the purchase, a flock of 867 ewes of pure blood, year with more or less Leonese bucks, and the and the low estimate of 6 lambs in all from each method of treatment is precisely similar in each. ewe is so much within bounds as fully to offset the chances of loss from disease or accident, if good care is taken in managing the flock.

The first purchase of ewes of pure blood will obviate the necessity of subsequent purchases of rams from time to time, which is absolutely necessary in a mixed flock to prevent the wool from ness of the wool, and all the attempts made to degenerating; and a further profit results from preserve the original size, while the wool was the sale of the rams which may commence with

the fourth or fifth year.

On the selection of sheep for breeding.

The most important point is to be certain of the pedigree of the animal to be bought, and a sheep known to be of pure blood should always be preferred before another of finer fleece and better form, whose ancestry is uncertain. Next in importance are the fineness and elasticity of the wool, the evenness of the fleece over the whole The raising of an unmixed breed of sheep su-form—and full health. The best sheep are discounstances.

tingnished by full and bright eyes, bright red lamb, and after weaning, the lambs should be times very plentiful, is not so nutritious as else-

thick set form, with short legs.

The size of the body is of less consequence than the body at the same age. any of these particulars, having much less influence on the progeny than many people suppose. The thickness of the fleece is mainly affected by the quality and quantity of nourishment, and will not continue through many successive generations without care in this point. There are many other marks of a supposed good ram, such as a large tuft of wool on the forehead, a large, course all important. hanging dewlap, much wool on the hinder legs, three rows of wool round the neck, &c. &c .- but all these or any other similar marks I consider as of no sort of consequence, and believe they may all be found on very inferior sheep.

It sometimes happens that wool growers are more desirous of heavy fleeces than of superior fineness of the wool, and therefore select in prefail of procuring the genuine merino blood which never reaches to a large stature under any cir-

During pregnancy the ewes should be better fed than usual, and this feed should be continued till they are furnished with ample pasture. It is of great importance that the lambs should acspring-and he able to benefit by the early pasturage, by which means they may be sooner weaned, and the fleece of the ewes increased by stopping the flow of milk.

The rams is every flock must of course be kept

separate from the ewes and yearlings-the most convenient arrangement is to pasture them with the weathers. One buck is sufficient for about

birth, which is always useless, and often inju-however, the only pasture they have, is on t

nourishment for the lambs, and should never be vers them, and oftener than any other circum ing from stagnant, muddy pools, which almost altaken from them for other purposes, as is often statice create the rot which it is so difficult to converge them once its ravages have begun. It is by stream in their pasture they should be watered weeks after firth, the lambs should be fed with no means during the growing season that this dan-las often as twice a day from a well.

bruised oats, or oil cakes softened in water, ger is most to be feared, for at that period the tender hay and welt dried red clover, or other sheep find sufficient nourishment in dry situations and sufficient similar fodder. In order that the lambs alone and avoid wet spots of their own accord. Merino room. They are very little liable to injury from a well.

The principal requisites for the stall or shelter for sheep are dryness, and sufficient similar fodder. In order that the lambs alone and avoid wet spots of their own accord. Merino cold. Lambs, however, should be protected made, through the aperture of which they can be coarser breeds, and therefore require participations. pass, while the full grown sheep are excluded.

support being weaned at the proper time.— where these sheep are to be pastured. Wooded The best method of washing wool previous to The weaning should take place very gradually pasturage affords sometimes very good feed—but shearing is to wet the fleece thoroughly on the for the benefit of the ewe, as well as of the lifthe shade is very close, the grass, though some-previous evening by immersing the animal repeat-

chest, round shoulders, and generally a stout, old, the tails of the ewe lambs are cut off to fields in fallow as well as the fall feed after har-

The jodder or pasture of sheep has been found after the most careful experiments to have no effect on the fineness, and very bttle on est for the weathers. the elasticity of the wool; but a very important one on the thickness and length and consequently on the weight of the fleece. Its ef-

The most important circumstance in regard to the strength of the sheep is that the supply of food should be equal in quantity at all times, except a little increase during the time of suck-ling. Even the wool often becomes weak and loose in consequence of sudden changes from fore to be found on the worst managed farms. plentiful to scanty feed and vice versa. It is therefore essential that the fodder in winter and rishment, except a little in the joints;—but it ference the largest, heaviest animals rather than those of the finest fleece; but in this case they have a story the paturage in sammer should be provided in the paturage in the p such manner as to subject the sheep to no chan-mach. ges of this kind.

A sudden increase of food is very injurious, Spring. The excess is never lost, though late allow it to be laid up for another year.

Pasturage.

care is necessary, and if the shepherd is not to be some time and be driven off again four weeks ter. entirely depended on, the proprietor should have before the cattle are driven in. The sheep rehim constantly overlooked. The birth is commonly easy but often slow. Ignorant shepherds
no pools of standing water in the meadow, and is unnecessary to speak at large, the circumare very apt on such occasions to be aiding in the however, the only pasture they have, is on t drier and leaner soils; particularly on steep hills, Salt is required by sheep at intervals during the be tied by the legs till the lamb has been once are dry from evaporation. They are then more to the best managed flocks, suckled; after which there will be no further dangerous than ever, because deadly vapours are It is very important that sheep should be furdifficulty. The mother's milk is by far the best constantly rising through the dry crust that co-nished with clear water to prevent their drinkweeks after birth, the lambs should be fed with no means during the growing season that this dan- as often as twice a day from a well. cular care in this respect. All such marshy spots Dry fodder should always be put in cribs, and This previous feeding enables them better to should therefore be carefully drained in places not thrown on the ground or barn floor, import being weaned at the proper time.— where these sheep are to be pastured. Wooded The best method of washing wool p

veins about the lashrymal g ands, a broad fore-kept at a considerable distance from the ewes.

Where, and the wool of sheep receives some inhead, short stiff ears, a short, thick neck, broad

The ram lambs are cut at three or four weeks jury from the deep shade. The young grass on within about three inches or something less of vest are excellent for sheep, particularly the for-

The best pasture must be reserved for the lambs, the next for rams and ewes, and the poor-

The winter feed consists usually of hay and straw only. The best hay is well dried, early sequently on the weight of the fleece. Its er-fect on the health and increase of a flock is of Clover, Lucerne, &c. if well got in, are preferable to other grasses.

Straw intended for sheep must also be got in dry and sweet. It is nourishing only in so far as aids in digestion and helps at least to fill the sto-

The stalks of peas and beans are more succulent, but there is a great difference between such although sheep may be gradually accustomed to as are moved before they are fully ripe, and a very plentiful supply, and generally fully repay the additional expense in the increased quantity of their wool. The proportion of time preferable. The usual calculation is two or three during which sheep may be pastured, differs of pounds per day of dry fodder for a full grown quire strength enough very soon after birth to course, in different climates. In Saxony, sheep, but many farmers give less than a pound support the bad weather which may follow in the lare kept about five months on winter ted but, of hay, and make up the deficiency in straw and are kept about five months on winter teed, but of hay, and make up the deficiency in straw and good farmers lay in a stock for 170 days to pea vines. A flock may be kept alive on this guard against scarcity in case of a backward fodder, but without mixing some grain or at least half thrashed straw with it, it is impossible that fall feed or early pasture in the Spring should a flock should go on improving in quality, notwithstanding the greatest care in other respects. The most economical method, considering the increased weight of wool which may be produced Sheep are seldom admitted to pasture in sum- by it, is to give the sheep as much dry fodder as forty ewes. In Spain the proportion is 3 to 100.—
mer on the meadows, except here and there on they will readily eat. If hay alone is used, at During the season of impregnation they are fed, the driest and leanest spots, but it often hap-least two hundred weight is necessary for each pens that they are driven on in the spring, if sheep; and if a few peas and summer straw morning and evening, with oats.

pens that they are driven on in the spring, if sheep; and if a few peas and summer straw
In the season for dropping lambs the utmost the grass starts early enough for them to feed are added the supply will be ample for the win-

It often happens that ewes will not own their not easily arable nor producing sufficient pastur-whole year, but it is often given in too great quan-lambs, particularly the first they bear; and in this age for cattle. This kind of pasturage is the best tity and almost forced upon the sheep; which is case I would advise to sprinkling a little salt on the lamb, which induces the ewe to lick it, after well improved. It often happens however, that so that the best grain will pass through them unwhich it will generally allow it to suck. If not, such high lands are not without swampy and altered. The best mode, where rock salt is to be the ewe with her lamb should be placed in a se-springy places or pools of water either on the had, is to attach pieces here and there in the staparate enclosure, (of which several should be sides or in the ravines between the hils; and all ble or in the pasture and let them lick it as they previously prepared) and fed with the most such spots are very dangerous for the sheep.— wish. The usual calculation is from one to two nutricious fodder, particularly with succulent All places where water plants are nourished pounds yearly per head, but I have found that the udder may be uncomfortably should be carefully avoided, and more tran ever something less than one pound was quite sufficient that this is not sufficient she must during the greatest heat of summer when they cient, and more than this is not given in Saxony

edly in a stream of water, in order that the dirt a flour, which is caten in the same way as pap, adhering to the wool may be softened and more easily removable on the following day, when the principal washing is to be done. Care must be taken that the sheep do not swallow any water during the process. Three or four days after the washing, when the wool has been thoroughly dried, and after the natural moisture has bugun to reappear the shearing may be commenced.

Elliott it move force and in the same way as pap, caused it to be naturalized in Jamaica, and other parts of the West Indies, whence it has passed into the United States. The climate of the middle and southern states is peculiarly adapted to its culture.

Obs. The Panicum hirsutum of Swartz, bears a striking affinity to this plant. to reappear, the shearing may be commenced.

(To be continued.) 0

FOR THE AMERICAN FARMER.

BOTANICAL SKETCH of the principal gramina useful, or likely to become useful, in husbandry.

No. V.

Panicum. LINN. ? Panick grass. (Triandria-Digynia.) & Millet, &c.

(From Panis, bread, on account of the use occasionally made of the seed).

GENERIC CHARACTERS.—In this genus, the perceived with cally is 3 valved—2 of the valves are opposite to be mutic. and equal. The third valve (exterior) is smaller. The corolla consists of 2 valves, cartilaginous, nnequal, and persistent. It contains three stamina and a round ovarium surmounted by two styles with plumose stigmas. The seed is of an oval shape, but rather flat—it falls invested with the This species of panicum is also annual.

der it, but principally from the almost infinite poultry. variations in the features of those species. The flowers exhibit the numerous and diversified stems and the leaves present other differences. Under the genus panicum are included plants smooth, and shining. with ligneous stems. The seeds, too, considerably differ. In some species, they are flat, elongated, shining—in other species, round or cylindrical, and transversely wrinkled—in the fanicum fallens, they are triangular. Such being the anomales presented by this immense group, it is not to be wondered at that the accurate observations of modern Botanists should have led them 3. Panicum Laeve. to assume some of the subdivisions of Linnaus as the types of new genera, and to exclude some species, imperfectly determined at first. The inquisitive agriculturist will, at his leisure, investigate this subject in the works of the moderns. I must pass to the description of the most imporever, that the plants belonging to it delight in southern climates—and, especially, in tropical part. The leaves are many, long, flat, green, nect it with the classic Olive branch.

The leaves are many, long, flat, green, nect it with the classic Olive branch.

L. H. GIRARDIN. are found beyond the 40th degree of N. latitude. The genus increases progressively, as we pro-

\ Italian Panick. 1. Panicum italicum. LINN. Bengal grass. (with two varieties.) Millet cultivé. Millet des oiseaux,

This is an annual plant, a native of India, but markable. The corolla is long since cultivated in Italy, Germany, France, in a most delicate manner. &c. and now well known in the United States.

Elliott, it grows from 2 to 10 feet high. This stalk is erect, a little compressed. The leaves are lanceolate, large, nerved-smooth in their lower surface-and hairy at the orifice of the tified with the preceding; but it is larger in alsheath. The flowers form a terminal spike, the most every respect.—The leaves form a remarkaxis of which is villose and angular. When the able exception—they are narrower, &c. This fruit is ripe, this spike becomes nodding or droop-

flowers are inverted with long setæ or bristlesand these flowers are sometimes of a violet or purple colour-and sometimes of a white colour.

The setæ assume the same tints.

of Wildenow) the setæ are so short as not to be perceived with the naked eye—so that it is said appellation of Guinea grass.

This plant flowers in July, August, and Sep-

genus were adverted to in the last number. These tain from it a beverage, of which they are very arise not only from the many species included un-fond; its most common use, however, is to feed

The stalk of the P. miliaceum is 4 feet high. or more, according to soil and climate; it is erect inodifications of these flowers vary—some being sides, long and flat. The orifice of the sheaths polygamous—some awned—some awnless—and is very hairy. The flowers form a panicle, teris very hairy. The flowers form a panicle, tersometimes the calyx, forming an exception to the minal, loose, and nodding on one side, especially above generic characters, is two valved. The after maturation. The glumes are conspicuously

VARIETIES.

a with white seed. β . . yellow seed.

. . blackish seed.

. . purple flowers.

Panicum Polygamum. Swartz. | Guinea grass Panicum Jumentorum. PER.

their upper and on their lower surface, but rather ceed from north to south, until it strikingly predominates. (See Nuttall, Elliot, Muhlenberg, panicle—the ramifications of which are filiform, Pursh, Michaux, &c.) ciliated near the orifice of the sheath. The flowcle—then in pairs—and, finally, alternate and sparse. The flowers have pedicels—they are oblong—very smooth—mutic—and of a greenish colour. Two very striking additional features distinguish this species. The 3rd valve of the species of this health is apparently and the species of the species of the health is apparently and the species. calyx is appressed—short—and particularly remarkable. The corolla is transversely striated,

Its seeds are eminently farinaceous-they yield parts of Africa. Its excellence as a forage has travelling notes, made the following

edly in a stream of water, in order that the dirt a flour, which is caten in the same way as pap, caused it to be naturalized in Jamaica, and other

4. Panicum altissimum. JACQUIN. Grand panic.

This Panicum has by some Botanists been idenvaluable gramen was first observed by Jacquin in Guadaloupe, but it is a native of Abyssinia. As In the variety α , which has a larger spike, the well as the preceding, it is entitled to the particular attention of our agriculturists. The PANI-CUM COLORATUM, said to be a native of Spain and Egypt, but also naturalized in the West Indies, and remarkable by its flowers tinged with green In the variety β , (the Panicum Germanicum and violet, bears a considerable affinity to the two

5. Panicum molle. SWARTZ. { Soft Panick-grass.

This is another valuable Panicum growing abundantly in the meadows of Jamaica. The root is perennial. The culm thick, pubescent, juicygeniculate and procumbent at its base. It puts valves of the corolla. Obs. The third valve of the calix is considered by some as an abortive flower.

This species of funicum is also annual, and a very nutritive. It is, however, prepared to make their base, elongated, soft, villous, broad, lancebread, in other countries, oldet—with pubescent sheaths. The joints are genus were adverted to in the last number. These thick and villose. The spikes paniculate, erect, alternate, slightly pedicellate, pretty large, brownish, elongated. The calyx is two valved and two flowered (one of those anomalies to which I have alluded.) The exterior valve is forms of the spike and of the panicle; and even the and villous, as well as the leaves, which are, be- In the hermaphrodite flowers, the valves of the very small-the interior oval, obtuse, pubescent. corolla are oval—nearly equal—the anthers of a deep purple colour. This is represented as optimum pabulum. The Panicum molle described after maturation. The glumes are conspicuously nerved, and accuminate. The seed is round, smooth, and shining. Botanist terms it "a plant salt and bitter." This may be referred, however, to local influences.—Michaux also found the Panicum Molle in the sedgy meadows of Florida. My limits now compel me to take a temporary

leave of this interesting genus; but I shall revert to it in my next number, as it is far from being

exhausted.

As images of peace and friendship are never foreign to agricultural subjects, I beg leave to The root of this valuable plant, which is perennial, puts out stalks rising to the height of four feet, and to a much greater height, under favourable circumstances. These stems or stalks are rica. Some degree of poetic interest is, therefore,

-0-EXPENSES AND FACILITIES OF TRA-VELLING IN THE UNITED STATES.

nefit of his health :-

Making it known to a friend, then sojourning with him, from Massachusetts-who had recently This panicum is a native of Guinea, and other made an extensive tour-that friend, from his

ITINERARY-For the Editor of the from Baltimore-via, Boston, Niagara, and Pittsburgh, back to Baltimore.

Though the person, for whose guidance it was intended, cannot indulge himself in the pleasure the American side, of a jaunt so extensive, it may gratify curiosity, if it does not answer a more valuable purpose, by showing at what expense, and by what facilities, a journey may be made through the most interesting, healthy, and highly cultivated portions of the United States. By valetudinarians, these notes may be turned to practical account.

From Baltimore to Philadelphia, on Monday, Wednesday or Friday—leaving Baltimore at 5 o'clock, A. M. in boats of low pressure, noble structure, superb accommodations, and, what is more than half the battle, polite and agreeable captains. Arrive at French Town at 12-take stages, 14 miles to New Castle, and arrive at Philadelphia before sunset same afternoon; whole expense,

From the Mansion House Hotel, kept by C. Bailey, Esq. at 6 A. M. in the citizens' coach; quickest and best conveyance-and arrive in New York at 7 P. M. same day,

From New York on Tuesdays or Thursdays, P. M. in Steam Boat Oliver Elsworth (low pressure) to Middletown, diet included,

To Hartford in stage or steam boat; One day at Hartford, say, at most, To Boston, stage fare 6 50-diet 1 50,

1 50

Notabene.-It costs \$14 50 from New York to Boston, via, Providence in steam boat direct.

It is now stated that you can go in post coaches between Albany and Boston, via, Northampton for \$5.

Boston or Brighton to Albany, stage S5 Diet 2 days, say

Albany in canal boat, with diet .- To Utica, passing Schenectady-the Mohawk and its rich borders in view most of the distance, 96 miles,

Utica to Rochester, passing the richest and most pleasant villages in the United States, viz:-Onandagua, Auburn, Manlius, Geneva, Canandaigua, &c. crossing the Cayuga Lake and an extensive bridge, and approaching the borders of the Skenatales, Seneca, and Canandaigua Lakes—in clegant post coaches over fine roads,

Diet, say

One day at Rochester to view the falls, the improvements of the vast water power and the stupendous aqueduct bridge,

From Rochester in stage up Genessee river, 30 miles, to Mr. Wadsworth's, at Geneseo, via, Avon-stage fare and expense,

Back to Avon 8 miles, in stage, to take the Buffaloe line of post coaches, including stage fare and expense to Buffaloe,
Buffaloe to Black Rock, 3 miles, view

the basin forming for the entrance of canal, and cross to Waterloo in Upper Canada, Waterloo, down the Niagara—passing

the battle ground of Chippewa to Falls, in an elegant post coach, with the river in view all the distance,

Stay one day at Falls, 1 75 From thence to Queen's Town, viewing battle ground of Lundis' Lane, Bridgewater, &c. in a fine post coach,

Cross the Niagara to Lewistown,

From Lewistown to Fort Niagara, on Lake Ontario, and back, 75 cts. Say expense at Lewistown, 1 00 1 75 From thence back to the Falls on 75 One day more at Falls, 1 75

Back to Buffaloe in post coach, One day at Buffaloe, possibly more if you wait for steam boat,

Steam boat (low pressure) to Erie, diet included, Erie to Pittsburg-stage fare, Diet and lodging at most,

From Pittsburg to Bedford, distance 100 miles,

At Bedford Springs ---- days at 1 25 per

Stage fare from Bedford to Baltimore, 127 miles,

After leaving Albany, your expenses while

TRAVELLING FROM BALTIMORE TO SARATOGA SPRINGS. 4 50

From Baltimore to Philadelphia, \$7 From Philadelphia to New York, Next morning in steam boat from New York to Albany, 2 From Albany to Saratoga, 14 50

Whole distance from Philadelphia to Saratoga 251 miles, or 3 cts. per mile, Diet about,

Say, \$17 00

3

0 GROWTH, POPULATION AND MANUFACTURES. PATERSON, N. J.

24th June, 1824.

merely remark that in 1810 to 12, I presume there duck weaving. were not more than 500 inhabitants in the same district, if so many.

Agricultural implements have in the neighborhood, kept pace with the increased market afford-

Your very obed't. serv't.

JNO. COLT.

We have understood that Mr. Colt is entitled since December, 1821.-Ed. Am. Far.

CENSUS OF PATERSON.

3 50 Our readers may recollect, that a short time since, we promised them a census of this village. On reading the notice, the Rev. S. Fisher, of this town, very liberally tendered his services, and it is the laborious exertions of this gentleman for several days past that enables us to present to our friends, and the public at large, the follow-

Statement of the number of Dwelling Houses, Inhabitants, Schools, &c. &c. in Paterson, June 18, 1824.

Number of dwelling houses now occupied Do. of other buildings, occupied as stores, mechanic shops, school houses, &c.

Do. of houses and shops built and building, but not yet occupied 17 491 Number of dwelling houses and shops now occupied, which have been built within 4 268 2 50 Number of Families in Paterson 816 1 50 Do. of Males 2,391 Do. of Females 2,346 1 50

Total 4,737 Number of children under 17 years of age 2,182 Do. of people of colour 156 Number of schools 4 . 395

Do. of children instructed in them 45 grocery stores-about one half of these sell little else but spirituous liquors; 11 stores which sell groceries, in connexion with dry goods, hardware, shoes, crockery, &c.; 10 dry good stores; 1 apothecary store; 1 apothecary, oil and paint store; 3 leather stores; 4 cabinet maker's shops; 13 blacksmith shops; 2 reed makers; 1 brush fac-\$96 15 tory; 2 bakers; 1 foundery; 1 cooper's shop; 1 chair maker; 3 turners' shops; 2 tin and brazier's shops; 1 printing office; 1 bank; 1 book travelling in stages or stationary, will not exceed store and bindery; 3 saddle and harness makers; \$1 50 per day—including spirits at table.

1 tobacconist; 12 shoe factories; 3 watch makers; 1 sizing and drying establishment; 1 bleach. ing do.; 2 hatters' shops; 4 miliners; 12 taylors; 2 barbers; 3 painters and glaziers; 7 taverns; 1 crockery store; 4 confectionary shops; 5 cookey and beer shops; 5 weaving shops; 2 carpet weavers; 3 wheel wrights; 1 market house, and 4 other meat stalls; 1 hardware store; 2 oyster shops; 1 lottery office; 1 post office; 2 tanners and curriers; 1 tallow chandler; 7 organized churches; 4 church edifices; 3 ordained clergymen located in Paterson; 5 physicians; 3 lawyers; 2 justices; 1 master in chancery; 1 dancing 2 50 master.

Number of Mills generally-

Twelve Cotton Mills, employing 1654 mill

hands—17,724 spindles—165 power looms.

Two Duck Mills, belonging to Messrs, John Colt and John Travers, and employing 235 hands -1483 spindles-106 hand looms.

Aggregate amount: 14 mills-1889 hands-Sir:—I take the liberty of enclosing to you a 19,157 spindles—165 power looms and 106 hand statement and census taken in this place; and looms; the latter devoted exclusively to the

Seven of the above mentioned mills have each a machine shop belonging to the establishment, one of which Messrs. Goodwin Rogers & Co.'s, employs no less than sixty-five hands. In point ed to Farmers by the demands of the manufac- of extent and respectability in the execution of orders, this establishment is equal, we use orders, this establishment is equal, we presume, if not superior, to any other in the United States.

About 420 hand looms exclusively devoted, to the merit of being the first to make Cotton when going, to the weaving of cotton, but at pre-Duck without sizing or dressing—he has made it sent there are only about 300 of them in opera-

One large Turning Mill and Chair Making Shop, employing 25 hands.

One Grist Mill and two Saw Mills.

An extensive Rolling Mill and Nail Factory, employing 25 hands.

Three regular Sabbath Schools, which furnish the means of gratuitous instruction to nearly four hundred children.

As our limits will not permit any lengthy comments on the foregoing facts we must content ourselves, at this time, with offering one or two.

General Remarks .- One of the most convincing evidences of the importance of a legislative encouragement to domestic manufactures, is here given. A population of nearly five thousand souls 51 has within a few years past, risen into social excumstances, only by the spindle and the loom.-Hundreds of destitute families have flocked into conducted with great caution. our village, under the judicious idea that, as far 2. The ront of the vertarum viride or white The above waters are useful in bilious and the greatest proportion of the mill hands are Hellebore, has been very successfully used. If dyspeptic affections—alsn in certain forms of the

disposition in a population of 816 families.

So is it we should hope in all parts of the United States!

-0-COCK-ROACHES.

TO THE EDITOR OF THE AMERICAN FARMER.

A correspondent of yours, in a letter dated Barboursville, 11th June, complains bitterly of the cock roach, which he says would be a fit addition to the plagues of Egypt. This denunciation is not new. Brown in his celebrated Natural History of Jamaica, pronounces it the most loath some insect in America, and Hughes in his History of Barbadoes, compares it to the Harpies of Virgil.

" Diripiuntque dapes, centactuque omnia fædant portunity. Immundo.'

seen in Jamaica.

A cock-roach which keeps in ships, and is rarely seen on shore, and two other species which in ly destructive to woollen stuffs, but will not injure ties. silks. The other species is not so large or trou-

Hughes only mentions one kind in Barbadoes, which he describes as of a very dark snuff colour,

lavs many small brownish eggs.

In Turton's edition of Linnaus, forty-seven difof which are appropriated to our continent, and senic or corrosive sublimate to the human race. the West India Islands.

appearance lately in Europe, and to have been and as certainly perish.—Known from "ACTUAL EXPERIENCE."

conveyed in raw sugar.

The blatta Orientalis, which is also of American origin, has long since been naturalized in Europe. Besides these, the blatta Occidentalis, Viridis, Pennsylvanica and several others, are said to be indigenous in the western world.

I have seen two kinds in this country-one of a bright brown colour, large and very offensive .-This I have observed in the City of New York, interesting to offer the following summary of the PUBLISHED IN THE AMERICAN FARMER, BY ORand it has been probably imported from the West
Indies. The other is black, small, less injurious,
and perhaps a native. When Kalm travelled
One gallon of water cont. through this country in 1748, he denominated the cock roach which he saw, the blatta orientalis of the West Indies. But it has been seen in remote forests and unsettled regions, and is undoubtedly indigenous as well as exotic.

This insect multiplies rapidly, and as it is said to deposit its ova singly, its progeny is apt to be diffused. It selects the night for its depredations and being a winged insect, it is enabled to extend itself over a large space; and conveyed in mer chandize and furniture, or by its own powers, it follows in the train of emigration and, like the rat, pursues man in his remote settlements

Several remedies have been prescribed for the extirpation or expulsion of this noxious animal

1. The fumes of charcoal. But it is well known smaller portions of the same ingredients.

children, the services of theirs would be the source of a profitable revenue to themselves and their parents. Their hopes have been realized; found dead in the morning. This plant grows in for an instance here is rare, where the head of a family is industrious and economical, but they can enjoy food, raiment and domestic felicity.

Only 8 individuals were confined by serious industrious and economical, a population of \$16 families.

Their hopes have been realized; found dead in the morning. This plant grows in the United States. Its vulgar names, are Heterore, has been very successfully used. It dayspeptic affections—also in certain forms of the cut into small pieces and scattered over the pla cout, chronic rheumatism, scrophula, palsy, and sold dead in the morning. This plant grows in the United States. Its vulgar names, are Heterore, has been very successfully used. It dayspeptic affections—also in dryspeptic affections decoction of it, and scattering the grains so prepared over the fields frequented by them.

3. The most effectual remedy, however, is a vessel called a cock-roach trap, made of coarse

earthen ware.

It is of a round form-diameter at the bottom 9 inches-and it tapers upwards until the diameinches high, and from the upper rim there is a particularly in the latter cases. gentle circular descent, say about one inch to the aperture or mouth, which is about four inches across. There is a plug hole near the bottom to let out the molasses with which it must be filled, in order to allure the insect; and hundreds are caught in this way every night. They find the descent easy, but to return is impossible.

In order however, that there may be no mis-

With a view to remove this great annoyance I Brown says that three species of the blatta are have been induced to make this communication calculous and hypochondriacal affections-also in on a subject which though apparently of triffing chronic rheumatism. In debility, following acute consequence, is really of great importance to the diseases or the remedies necessary to remove them, comfort of families; and it has been well observ- Bedford waters have been found excellent restofest houses. The largest kind is very flat and ed that unhappiness springs oftener from a series ratives. creeps into almost any crevice. It lays its eggs and repetion of petty annoyances, and small vexa-adhesive to cloathes and timber, and is peculiar, tions, than from great and overwhelming calami-PHILANTHROPOS.

the South.

The correspondent in the American Farmer of and says that it flies about in the evenings and the 25th inst. may be assured that the common discovered, the remarkably elevated temperature

0 FROM THE NATIONAL INTELLIGENCER.

MINERAL WATERS.

At a time when the medicinal springs are resorted to by the valetudinary, it may not be un-

Ballston public spring.

One gallon of water contains-Muriate of Soda 159 grains Carbonate of soda 9 Carbonate of lime 75 Carbonate of Magnesia Carbonate of Iron 7 alsn 210 cubic inches of carbonic acid gas. Suratega congress spring.

Gallon water-Muriate of soda 371 grains Carbonate of soda 16 Carbonate of lime 178 Carbonate of Magnesia Carbonate of iron 6 also

345 cubic inches of carbonic acid gas. The other springs at these places contain

Istence and is now sustained in comfortable cir how deleterious they are to human life. The ap Near Law's spring at Ballston, is a fountain, cumstances, only by the spindle and the loom.—plication of this remedy ought therefore to be which, in addition to the above, contains seven

unducted with great caution.

2. The ront of the vertarum viride or white the above waters are useful in bilious and

Muriate of Magnesia, Carbonate of lime, Sulphate of lime, Carbonate of magnesia, Silex,

Carbonated Oxyd of iron. These waters are chiefly used in diseases of ter at the top is about 6 inches. It is about five the digestive organs, and calculous affections-

Bedford.

Analysis shews this water to contain Carbonate of lime, Sulphate of magnesia, Sulphate of lime. Muriate of magnesia, Carbonated oxyd of iron; also

One of the springs contains sulphurretted bytake, I shall send a trap to you by the first op drogen. Muriate of soda prevails at Ballston, sulphate of magnesia at Bedford.

These waters are useful in hepatic, dyspeptic,

Among the thermal waters, are those of New Lebanon, New-York, temperature 72 degrees Farenheit; those of Bencombe county, North Carolina, temperature 104. These last are emi-TO DESTROY COCK-ROACHES - By a gentleman in neatly useful in chronic rheumatism and palsy. The warm springs in Virginia are well known.

In the territory of Arkansas, springs have been Hollebore root, found on low grounds and near of which render them objects of great curiosity. water courses in Maryland and Virginia, is as They are situated in 84 degrees north latitude, ferent species of blatta are enumerated, several completely destructive to the cock roach, as aron a creek flowing into the Washita river. Sixty of which are appropriated to our continent, and senic or corrosive sublimate to the human race. Chip it with a knife, and strew where the four hundred yards along the east side of the The blatta Americana, is said to have made its roaches will find it. They eat it with avidity, creek. The temperature, in January 1818, was found to vary, in the different springs, from 104 to 151 degrees. In summer the water is hot enough to draw tea or coffee, to cook eggs, and even meat. Vegetables are seen growing in the hottest of the springs, and a peculiar insect is said to live and sport in them. See Am. Month. Mag. also, Amer. Jour. Arts and Sciences. Georgetown, June 15. H.

-0-DER OF THE STATE.

A report of the tobacco inspected at and delivered from Queen Anne Inspection Warehouse during the quarter, commencing on the 5th day of April, in the year eighteen hundred and twentyfour, and ending on the fifth day of July, in the year eighteen hundred and twenty-four,

	Domestic growth,	Growth not of this state.	Re-in- spected.	Total,
Number in- spected.	619			619
Number de- livered.	478			478

WATKINS & HARWOOD Inspectors. TREASURY OFFICE, ANNAPOLIS, July 7, 1824. True Copy from the original report on file in this office.

B. HARWOOD, Tr. W.S. Md.

A SHORT RIDE IN CÆCIL COUNTY.

On board the Steam Boat United States, Capt Trippe, I amused myself after dinner with writing for your entertainment, if entertainment you could find in it, a brief sketch of the farm management of your friend B. F. M. at Wilna Mills; intended chiefly, to bring to your notice a striking exhibition of that propensity to experiment, in agriculture, which distinguishes modern from past times-as evidenced especially by his profit able use of living fish to resuscitate dead land.

I embraced the opportunity of being on that

shore, to pay my respects to Commodore Jones, of the Navy, and to make a long promised visit to a venerable patriot of the revolution, who like Cincinnatus, has turned his sword into a pruning hook, and enjoys otium cum dignitate, in the best

taste, on the shores of the Sassafras.

I doubt if any part of the United States presents such smooth and beautiful roads to the traveller as are found on this peninsula. You may journey for a whole day without being incommod ed by a gate or impeded by a single spot of dan-gerous or bad road. The unevenness of the sur face is barely sufficient to drain it, and yet it is creeks and rivers-so numerous are these that I have heard it remarked that you could not stick wind, and extraordinary capacity to bear hunger, down a Jacob staff in some counties at a distance heat and drought. of more than 5 miles from sloop navigation.

The objects which would be most likely to make an impression on a stranger to the country, passing from Elkton to the Sassafras; and so the unbroken smoothness of the roads, the immense extent and beautiful cultivation of their chief, and in many instances the sole object of cultivation. I could not help smiling at the thought of the impression which would be made on some of your New England friends, by one of acres of corn and wheat in a body!!

For the plough, horses are exclusively used-these are of rather small light figure, of quick motion, and well adopted to the nature of the soil. Oxen are used chiefly in carts, few mules and pleasure of devoting himself to farming, to which, of Cyrus, whose virtue was eminent as his forno wagons are used except by millers and ma-

nufacturers near Eikton.

Approaching the Bohemia river we met with a species of Mulberry which I had never seen before-very different either from our common black mulberry or the English mulberry cultivated in our gardens. It possesses in fact all the characters of the white mulberry except the colour-being quite black. It has the bark, leaf, mentioned, Captain J. has taken great pains to size, shape, and mawkish sweetness, of the white mulberry, altogether different from our common field mulberry, varying as much from it, in character, as the white mulberry does in colour. These mulberries may be common in some parts log for him that credit which he does not seek, so of our country, but certain it is, I was not before much as for the purpose of noting in your Reposiaware of their existence.

"The berries stained with blood, began to show A dark complexion, and forgot their snow; While, fatten'd with a flowing gore, the root Was doomed force r to a purple fruit. The prayer which, dying, Thisbe had preferr'd Both Gods and Parents with compassion heard: The whiteness of the mulberry soon fled And rip'ning sadden'd in a dusky red."

It is remarkable with respect to these trees that they ripen in May, and continue as I was inform

six successive months.

to make more minute enquiries of him relative to triot generals of the Roman Commonwealth, who the agricultural systems and productions on the with the same victorious hands subdued the ene-shores of the Mediteranean; in regard to which mies of their country in war, and turned up the it was obvious that, with the aid of a good judg- earth in time of peace. The exalted estimation in ment and a cultivated mind, he had improved his opportunities of personal observation during his be known by what is said by Plutarch, who command of our naval forces on that station for tells us that Ceres and Bacchus were mortals, the last three years.

The country is much indebted, as is already well known, to many officers of the navy, for of raising fruits. their attention in collecting, and bringing home from abroad, animals and vegetables of various I could not judge of its present by comparison kinds, making valuable additions to our present with its former condition, but I was assured that

Besides a great variety of grass, grain, and melon seed, he brought with him a male and female Ass, of great size, from Minorca, esteemed the best of their species-a beautiful stallion and mare from Tunis, of small size but remarkable for their round body-short lains, fine limbs, tainterlocked in all directions with fine navigable pering muzzle, beautiful black manes, flat shoulder laying well back, great activity, enduring

He brought too, the first I had ever seen of the mule race propagated by the Stallion on the Jen nett .- It was of good size for its age, lively spirit, and apparently of smaller ears, and more hair on the probably through the eastern shore generally are; tail than the mule which springs from the ordinathe convenience of farmers to navigable water, ry union of the ass with the mare. I need not say any thing of his broad tail sheep, and black hogs which I understand are with you. The pecufields of wheat and corn, which constitute the liarities of the hog are fineness in the grain of the meat, and great aptitude of the animal to keep fat. Its size, for which it is not remarkable, is attained at an early age, and there is every reason to think, that for making bacon, according to the the "Cedar of Libanus, to the Moss growing on the those numerous fields of, from one to two hundred fashion of Maryland, and the southern states, dition to our "swinish multitude."

I understood from Captain Jones, that as his oflike other sailors, he has strong propensitics; he would now sell these animals at a fair and moderate price. The horse, which is beautiful, he served a tast talked of altering for his own saddle, which right reason. would be lamentable, after taking the pains to bring him entire to the country. It is probable that if his design be not yet executed, the horse might be had for \$300. Besides the things before bring home several varieties of trees and vines to in the midst of official duties, for the sake of gaintory the history of their introduction to the counof the navy and army, that to serve their country without ostentation, to unite modesty with enter-

tree, berries at every stage of their growth for our distinguished officers, whose bravery and skill have illustrated their country, thus en-I was particularly gratified in my short stay riching our fields, and adorning our gardens and with Capt. Jones, and lamented the want of time pleasure grounds, who is not reminded of the pariching our fields, and adorning our gardens and which agriculture was held by the ancients, may leified for having conferred on men immortal blessings, by bestowing on them the knowledge

As I never before saw this district of Maryland. I could not judge of its present by comparison stock—and none have more judiciously attended it is in a state of regular and steady melioration—to this great interest of every nation, than Capt. and for proof of this I was referred to fields of clover-plantations of young orchards-painting and white-washing farm houses and out buildings, being all of them signs that a redeeming spirit had gone abroad to revive and fertilize this once beautiful, but much abused and exhausted country.

As you know the flights, and season of appearance of birds of my class are very limited, I must here close this epistle. It was my wish to have given a sketch of my visit to General F, at Rose-Hill; but so many agreeable impressions were crowded there into a short space of time, that I was too much confounded to systematize them. lf, hereafter, I can arrange these impressions in any sort of order, so as to give you a view of his farm, and an idea, be it ever so imperfect, of his taste and management, and the various beauties and comforts of his establishment, you may expect to hear from me again: suffice it for the present to say, that when I viewed the character, habits, situation, amusements and preditections of this old soldier, when I saw in his garden, lawns, and pleasure grounds, the plantation by his own hand, of every kind of tree and shrub, from wall," I could not but apply to him the compliment these black hogs will prove a most valuable addition to our "stvinish multitude." planted by himself, the Lacedemonian observed ficial duties would deprive him of the anticipated that "the world had reason to extol the happiness tune, and who, in the midst of the greatest affluence, splendor, and magnificence, had yet preserved a taste so pure, and so conformable to

Your's, WH
At Home, July 13th, 1824. WHIP-POOR-WILL.

COMPARATIVE LONGEVITY.

Dr. Ramsay in his sketch of South Carolina, in speaking of New-England, remarks, that "as benefit or ornament his country; but I do not here many of their inhabitants reach 85, as of ours enumerate these evidences of his thoughtfulness who attain to 70." And I saw mentioned a few days since, the great age of some persons in a grave yard in Connecticut.

Some years ago I was in the town of Groton, in that State (Connecticut,) a high, hilly, rocky It is, probably, to this species that Ovid refers, try. "Every anecdote, says Sir Joseph Banks, that district of country, within a few miles of the in his story of Pyramus and Thisbe, where the tends to throw light on the introduction, or on the sea-coast. In the second society, a parish of simple change of colour is so fancifully accounted probable origin of plants now collected for use, is that town, being detained by the weather one interesting even though it is not quite perfect." It rainy day, I had the curiosity to examine a reneed not now be said in behalf of our officers both gister of the deaths of the inhabitants of that society for 45 years past, not including those which were occasioned by accidents, by diseases prize is their characteristic; but with regard to of foreign climes, or occurred in the slaughter the desire of embellishing and profiting their at Fort Griswold, in the American army, or the country by the transplantation to it of trees and Jersey prison ship, &c. The result exhibited animals not hitherto known, what ambition can a degree of longevity which I little expected to be more natural as well as praiseworthy and in find, as well as I was acquainted with the salu-nocent? Do they not thereby raise to their me-brity of the air, and temperate habits of that ed in the neighbourhood to put forth and to ripen mories monuments unstained with blond, more region. And I am inclined to think, that the their fruit until frost, so that you see on the same durable than brass or marble? When we see schedule will bear a comparison with tables of

100 were of the age of one year and under,

leaving

ver one vear,	523	
f which were from	70 to 80	73
4 (11011	80 to 90	65
	60 to 100	15
Over	100	1
Over	70	155
	80	82
	90	17
	100	1

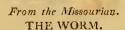
This gives 1 of 100 out of 623 births. Euro-70 and 1 over 100.) We all know that a hilly frequent opportunities of being the melancholy country is favourable to long life. But the dif-spectator of the effects produced by the subtle ferent calculations and comparisons, I cannot re-poison which this worm infuses. collect, not having Price's tables, or any other at hand. Perhaps this hint may invite more in- eyes of the patient become red and fiery, his PRICES OF COUNTRY PRODUCE-careful-



United States may be estimated from the following official facts, of the tonnage employed, and year ending on the 30th September, 1823.

		Tonnage departing,		articles exported.	
Ulayti	Countries.		nerican.)	Domestic 81,670,140	Foreign. 708,642
Russia,			2,771	51,635	597.099
Prussia,				7,268	568
Sweden.			3,050	151,037	147,191
Denmark	and Norway,		908	39,783	53,134
Spain,			5,502	151,842	85,413
Portugal.			1,470	48,977	300
Italy and			6,057	115,994	951,911
Trieste a	nd other Adriation	ports,	3,818	25,697	919,618
Turkey,	Levant, Egypt,	&c	1,876	4,877	559 ,78 3
China,			9,478	288,373	4,347,686
			32,159	884,585	7,814,545

quantity of our own goods that all these nations Still. receive, and the tonnage employed is as 37,480 to 32,159; but it must be remembered that the voyage to Hayti is shorter, and, perhaps the number of persons who get a living by the trade number of persons who get a living by the trade We have been favoured by Mr. Baker, of with the first, may not much exceed that em Hampstead with some valuable observations on of foreign articles, or what is called the carry-effectually prevented the disease, and cured it and Roman Cross) on one side of the arms the ing trade, it appears that this island takes more where it had made considerable ravages: letter X, and on the other side II, the legend of them than Russia, Spain and Portugal, with Take two ounces of white arsenic in powder, Crescite & Maltiplicamini. of them than Russia, Spain and Portugal, with Take two ounces of white arsenic in powder, whom we have "envoys extraordinary, and mi-dissolve it by boiling in one gallon of soft wanisters plenipotentiary" to take care of our trade, ter-if boiled in an iron or tinned vessel, add who will deliver it, or a similar one, to the editor for we have no other business with them, or at half an ounce of copper filings; but if in an un-of the American Farmer. least, ought not to have. Besides, Hayti furnish-tinned copper vessel, the filings are not necessaes the material of a great part of our commerce ry—to a quart of size, and half a pound of early Coins of the State, will meet with a purchain the Mediterranean, which is protected by a common tar, add a small quantity of fresh slaked ser for them on application as above. fleet, and for the privilege of carrying on which stone-lime, sifted pretty fine, beat them well we lately paid tribute to Algiers, &c. These into a paste, which should be then nicely disthings require only to be mentioned, and comment on the importance of a good understanding during the process (by small portions) as much with Hayti is useless.—Niles' Register.



-"Outvenoms all the worms of Nile."

per head! An unexpected sight of either of turned to its place. these reptiles will make even the lords of creation

mortality in any other part of the world whate-precoil; but there is a species of worm found in ver. Of this, however, I leave the reader to various parts of this state, which conveys a poison of a nature so deadly, that compared with it, Son of a nature so deadly, that compared with in the total number of deaths was 623, of which even the venom of the rattle-snake is harmless.

kind, is the object of this communication.

This worm varies much in size. It is frequently an inch through, but as it is rarely seen, except answer had been received to this proposition. when coiled, its length can hardly be conjectured. We have had within these few days, no opportions of a dull lead colour, and generally lives near lunity of communicating with Mr. Wynn, and a spring or small stream of water, and bites the therefore can take upon ourselves neither to affirm unfortunate people who are in the habit of going nor deny the truth of the above statement: But, there to drink. The brute creation it never mo- we are authorised to assure the New York Jockey lests. They avoid it with the same instinct that Club, if they are serious in this matter, that Cova.

pean registers give but 1 of 3126. (In Charles-settlements, to the misery and destruction of many ton in 1790, of 8000 inhabitants, 100 were over of our fellow citizens. I have, therefore, had

The symptoms of its bite are terrible.—The teresting and useful recollections on the subject.—A. Y. Statesman.

to get the patient become red and nery, his tongue swells to an immoderate size and obstructs his utterance, and delirium of the most horrid character quickly follows. Sometimes in his madness, he attempts the destruction of his near-like madness. The destruction of his near-like madness the his near-like madness the his near-like madness the his ne weeping wife and helpless infants are not unfre-Wheat, white, \$1 to \$15—Ditto Red, 95 a 98—quently the objects of his frantic fury—in a word, Corn yellow, 38 cts—Do. white, 38 cts—Rye, per the exports to that island, compared with the he exhibits to the life all the detestable passion, bus. 41 cts Oats, 25 cts.--B. E. Peas, none--White the exports to that island, compared with the trade that we have with several nations, for the that rankle in the bosom of a savage, and such is the Beans, none—Whiskey, 28 cts—Apple Brandy, year ending on the 30th September, 1823.

**spell* in which his senses are locked, that no soon—35 cts—Peach do. \$1.—Herrings, No. 1, \$2 12\frac{1}{2}\$ er has the unhappy patient recovered from the No. 2, \$1.873—Ditto Old, No. 1, \$1.50—paroxysm of insanity, occasioned by the bite, than Ditto ditto No. 2, \$1.25—Shad, trimmed, \$6 he seeks out the destroyer for the sole purpose of 75—Do. Untrimmed, \$5.75—Ginseng, out of seabeing bitten again.

as snow, his steps slow and trembling, beg in vain Timothy, Do. out of season-Hay, per ton, \$10-

through many a sorrow.

Youths of Missouri, would you know the name This shews that Havti consumes twice the of this reptile? It is called the Worm of the than 100 hhds inspected since last report. Bright

5 D . . DRY ROT.

ployed in, and subsisted by, the last; but small the above subject, which want of room prevents proprietor on one side, with the legend Czcilius vessels require a greater proportionate number our publishing in detail. He adduces a number DNS TERRE MARLE on the reverse, his of hands than large ones; and as to the export of instances, in which the following application arms surmounted by a coronet and crest (a Globe

solved with the above solution, gradually adding ished, as a preventive, should be dressed with the first coat-old work, as a curative, when removed and repaired, (such as diseased wainscot) Who has not heard of the Rattle snake or Cop- and then well dressed on its back before it is re-

ECLIPSE-once MORE.

The National Intelligencer mentions that a letter had been received at Washington from New York, stating that the New York Jockey Club To guard our readers against this foe of human have promised to the Virginians through Mr. and, is the object of this communication. Horse, for 10,000 Dollars or upwards, but that no

nor deny the truth of the above statement: But, teaches the animals of Peru to shun the deadly ECLIPSE WILL BE MET on half-way ground, Coya. [why not at Baltimore] for the sum of Ten Thou-Several of these reptiles have long infested our sand Dollars, at any time they may think proper

THE FARMER.

BALTIMORE, FRIDAY, JULY 16, 1824.

ly collected every Thursday, for the American Farmer. By ROGERS & STMINGTON.

son-Linseed Oil, 65 cents.-Clover Seed, out of I have seen a good old father, his locks as white season-Flax Seed, rough, 75 cents per bushelof his only son to quit the lurking place of the Flax, 10 cts.—Candles, Mould, 123 cts.—Soap, 7 worm. My heart bled when he turned away, for cts.—Pork, Mess, \$15—Ditto Prime, \$12—I knew the fond hope that his son would be the Butter, 7 cts. to 14 cts.—Lard, 9 cts.—Bacon, "staff of his declining years," had supported him 6 a 7 cts.—Leather, Best Sole, 24 to 27 cts.— Feathers, 35 cts.

Tobacco.-Very dull the last week-not more yellow tobacco will command good prices-very little in market, except 12 hhds. from Ohio, not

yet inspected.

$L05\Gamma$,

An old Maryland Shilling, with the head of the

A suitable reward will be given to the finder

Any person being in possession of any of the

CONTENTS OF THIS NUMBER.

Natural History, correspondence on the nature of the Fish Enters of Worcester County-Essay on Sheep-Cotameal during the process (by small portions) as much sketch of the principal gravina useful, or likely to occome more of the pulverized line as will give the useful in husbandry, No. V.—Expenses and facilities (Trawhole a proper, (rather diluted) body, to be laid on with a painter's brush. New work when finished, as a preventive, should be dressed with the University of the principal gravina useful, or likely to occome whole a proper, (rather diluted) body, to be laid on the University, Populator and Major and Populator and Populator and Major and Populator and Major and Populator and Populator and Populator and Major and Populator and Populator and Major and Populator and Populator and Populator and Major and Populator parative Long-vity-Importance of the Trade with Taytithe composition, at least twice, after well drying the Worm-D-y Rot -Eclipse once more-Prices of Conntry Produce - Vdvertisement, &c.

should be perfectly dried by exposition to the air, and then well dressed on its back before it is returned to its place.

Journal Royal Institution, No. 82.

Pented every Friday at 34 per amount, for JOHN S. SEINNER, 26i tor, by JOSEPH ROBINSON, on the North West corner of Market turned to its place.

Journal Royal Institution, No. 82.

AGRICULTURE.

OBSERVATIONS AND EXTRACTS FROM THE READINGS OF A CORRESPONDENT

TO THE EDITOR OF THE AMERICAN FARMER.

Steam Boat United States, going to French- ?

It would appear, Sir, from what I have occasionally seen of your Journal, that you have correspondents in all parts of the country, and that nothing goes amiss with you, which has any connexion, however remote, with that most independent and moral of all employments—AGRI CULTURE. On which Socrates passes this no- Mr. Skinner of your city, studying Botany; I urious days than any other fruit. Pliny observes ble eucomium. "It is" says he, "an employ-judge at least from the sourness of his phiz, that that of all the cultivated trees, the mulberry is ment the most worthy of the application of man, he must be laying away, in the store house of the last that buds, and which he says it never the most ancient, and the most suitable to his his memory, some such casy and digestible mononature; it is the common nurse of all persons, syllables, as cryptogamia, tetradynamia, monoein every age and condition in life; it is the cia, dodecandria, &c. &c.; and near him stands source of health, strength, plenty, riches, and a a Frenchman reaping with philosophic coolness did not avail those of which the chaste Psalmist thousand sober delights and honest pleasures; it and confidence, the beard off a chin that ex-

lect, and diffuse, throughout the country, a know-under low pressure. ledge of facts, and theories calculated to advance the interests of such a pursuit; and would n ost willingly add my feeble rays, to the mass o'er the land, through the medium of the " AME.

RICAN FARMER."

You are aware that modern steam boat tra velling, resembles so much in its conveniencies yourself from the most uneasy of all predicaments, the vulgar, broad-tail sheep, you shall hear from understood, i will give you a picture of a portion of the company, as it is just now employed. On the deck sits an old lady, thumbing away denoument of a most romantic love adventure; whilst, a little removed from the rest of the company, is a newly married Divine, and his accomplished bride, admiring the scenery of the numerous isles that decorate the expanded bosom so dear." of the Chesapeake-she humming, from Moore,

"If I were yonder wave my dear, "And thou the Isle it e asps around;"

And he descanting most eloquently on the pleasures and beauties of-this life. The Clerk of the National Legislature is extolling the felicities of agricultural pursuits; while his lady watches with motherly tenderness the friskings of her horticultural associations in America—near 3000 fruit of these afford an abundant succession sweet little daughter. In the cabin Mr. Cheves reads Poinsett's notes on Mexico, or throws them ed into England from this country-1700 from ger and earlier than that on standard trees-They by, to converse with affability on various subjects, illuminating all he touches-and then it jects, illuminating all he touches—and then it sands which have been taken there from China, would amuse you to hear our good Captain the East Indies, New Holland, various parts of Trippe. Trippe,

* As kind worthy a soul
" As e'er crack'd a bottle or fathom'd a bowl,"

shores—so feelingly does he depict the delights me that he has found one individual possessing great nurseries of mulberry plants are curiously of this merciful sport, described, I will not say 400 kinds of strawberries; and others as great a produced, in the plain of Valencia, in Spain, from 300 aptly, by Doctor Johnson, that he appears to variety of gooseberries, while the kinds of apples, seeds, obtained by rubbing a rope with ripe mul-

fancy himself in the very act of drawing up a pears, plums, &c. &c. have been still more nu huge rock-

- " He views the tumbling fish, with longing eves, "While the line stretches with the unwieldy prize;
- "Each motion humours with his steady hands "And one slight hair the mighty bulk commands; "Till tir'd at last, despoil'd of all his strength,
- " The game athwart the stream unfolds his length;
- "He now with pleasure, views the gaping prize,
 "Guash his sharp teeth and roll his blood shot eyes; "Then draws him to the boat, with artful care "And lifts his nostrils in the sick ning art,
- " Upon the burthen'd stream he floating lies

"Stretches his quivering fins, and gaping dies."

In the forward cabin is a hamesake of yours, a is the mistress and school of sobriety, temper tends like some huge promontory, stretching ance, justice, religion, and in short of all virtues into the ocean.—Whilst all this is passing, you trees with halstones, and their mulberry both civil and military."

I cannot but compared courseless to sol.

The control of the I cannot but commend your undertaking to col- Frenchtown, at the rate of thirteen miles an hour, despatches the business in one night, and with

My compagnous de voyage being all employed, as you have seen, I too must take my book from my carpet bag, and if I find in it any thing to of light which your correspondents are shedding extract which will not appear more outre for a land journal, than your late correspondence with DOCTOR MITCHELL, about certain piscivorous animals, belonging to the "class of crustacea tion to the time that has intervened, and the disand order of Isopodes;" why then, I also, may can hardly persuade yourself that you are travel. I get on dry land, if I should perchance meet. The tr with any thing extraordinary, in this time of exmary means of amusement and occupation, to save taged and thin s, in the way of "long horn" bulls.

Ah-here I have it!-I find it set forth on good authority, that it was during the reigns of Henry an instance, I think in Rhode Island, of a gentleat her needle work, ever and anon, titillating her the VIII, and Elizabeth, that the most valuable man displaying himself at a Cattle Show, in a olfactories with a pinch of mocabau; at her fruits were introduced into England. At that pe-full suit of silk of his own manufacture, back a young lady is running over the pages of a riod so little progress had been made in horticul. It is observed in Evelyn's Sylva, that this tree ture, that the delicate Queen before mentioned, possesses the peculiar property of breeding no was obliged to obtain ber salads from Holland; vermin, neither does it harbour any caterpillar novel with breathless impatience to arrive at the ture, that the delicate Queen before mentioned, and green peas were seldom seen except from except the silk worm. that country, being esteemed, says Fuller, as

the Cape of Good Hope, in addition to many thou Africa, Asia, and Europe, until the list of cul tivated plants in England is said to contain 120,000 varieties. It has been observed, that since the expatiating on the pleasures he anticipates in bles, many loathsome diseases, as the leprosy, silk; the price of which, in Europ, was an equal going sixty miles next Saturday, to pass a few &c. are no longer prevalent, or have lost weight of pure gold, even in the time of Justihours angling in the sun, on his native fishing their malignancy of character. My author tells nian in the beginning of the 6th century. The

merously multiplied.

" And kinds are less material to his theme,

"Which who would barn, as soon may tell the sand; "Driven by the western want on Lybian lands,

"Or number, when the blastering Eurus roars,

"The billows beating on tonian shores."

In regard to the mulberry tree, of which meation is made in a late number of your Journal, hy a scribler over the odd signature of Whip-poor-WILL, (a bird whose observations are never made or heard but when all nature is asleep), the author in hand states, that it was first brought from Persia, into Greece and Rome, and was more esteemed by the Romans, even in their most luxdoes until the cold weather is past; and was, therefore, called the wisest of all trees; but it would seem that all their wisdom and forecast, so much force that "their breaking forth may be evidently heard." But this vegetable circumspection, this cautious holding back, and then sallying out in a single night, to carry its point by a coup de main, reads, as I apprehend, like the castle scenes in the Romance of the Forest, and all other Romances, the better in proportance of the "far off country" in which they

The transplantation of this tree to England was in 1548, where, at Sion House, the original trees. are said to be yet flourishing. Many are now alive and bearing fruit that were planted in the time of James the first, and though silk is not now cultivated in England, the worms are said to thrive there as well as in any other part of the world-so doubtless they would in America, and we have

Miller mentions eight varieties of this agreea-"dainties for ladies—they came so far and cost ble fruit. T. A. Knight, Esq. the President of the Horticultural Society of London, illustrious so dear." Immense improvements have been made in for his liberality of spirit, as for his science, is horticulture since the establishment of the soci-said to be the first person who has attempted, in ety for the promotion of that art, in 1809—the hot house, to force this excellent fruit, and discoveries and fruits which it formerly required that great patron and promoter of agriculture, ages to diffuse, are now, by the agency of this society, spread throughout the world, with a ratrees trained to a trellis upon a south wall of his pidity approaching that of mercantile correspon-dence. So may be the effects of agricultural and the lateral branches extend nearly 100 feet. The varieties of trees, and plants, have been import- from July to October; and the fruit is much larare pruned twice a year, leaving spurs of two inches long, which, at the winter pruning are shortened to about an inch.

The mulberry must have been of immense value to the Persians and Chinese, in ancient times, when its leaves subsisted the silkworms which more general use of fruits, and culinary vegeta- enabled them to supply all the known world with berries, and then burying the rope two inches they are drawn and transplanted.

wear any thing so cheap and common.

king of France, in 1543.

Elizabeth the first knit silk stockings.

The Alba, or white mulberry, is a native of

The Aigra, or black mulberry, of Persia.

The Rubra, or red mulberry, of America.

The mulberry tree, seldom producing fruit until it has arrived at a considerable age, has been can Farmer, vol. 3, page 52, for an account of other trades and employments, when the one by much against its cultivation; but it is now disco- the introduction of the grano mazzola, or wheat which they can support themselves is cut off. vered, that by grafting it from the aged trees, or, to use a common phrase, putting an old head manufactured-together with a brief description of their labour, would add to the national revenue on young shoulders, it soon becomes fruitful.

moderate.-At this moment the stages have arrived with numerous passengers who left Phila-other wheat, and sowed at the time of sowing his ticle of export to England. delphia at the same hour that we did Baltimore-oats. we pass each other in strict review, expecting to recognize some acquaintance, while all are speeding onward in pursuit of the same fleeting objects, by different roads; just as good christian sects go to heaven. Fortunately for us, notwithstanding

OF STRAW AND GRASS BONNETS

A few days since, we were applied to by two long as the present low duty is continued. respectable female friends, to give a pecuniary contribution for the furtherance of the following January last, we find the following extracts—"It people of England having been made acquaint-enterprise. A respectable lady, residing in one is stated, that in the counties of Worcester, Middle ed with the whole secret of the manufacture, will be a secret of the manufacture, will be a secret of the manufacture of the manufacture of the counties of Worcester, Middle ed with the whole secret of the manufacture, will be a secret of the manufacture of the manufacture of the counties of the c

pensate by the abundance of advice, and commen American fabrics to compete with the Leghorn, fabric to compete with the imported articles of datory of the benevolent design, for withholding the Committee on Domestic manufactures propo- the same kind; especially too, after hearing from Targent.

We told these good ladies that we believed that |dollars, upon all Legliorn hats or bonnets of under ground; as the young plants come up, in the Eastern States, where this thing was bet-straw, chip, or grass, which at the place whence ter understood, and where the females as well as imported, with the addition of ten per centum, lt is now more than 2000 years since wrought males were far more thrifty and industrious than shall have cost less than three dollars. The re-It is now more than 2000 years since wrought and and 2000 years since wrought and 2000 years were forbidden by the Senate, from wearing it, rhino, if they would allow us, we would give the firm and decided enemy of domestic industry, as being too effeminate.—The Emperor Aureli-them in the Farmer, some numbers "on the (ship building excepted) and Messrs. Sharpe and anus, denied his Empress a robe of silk because manufacture of straw bonnets," calculated to Marvin of New York, and Floyd of Virginia, it was too dear; many of our fine ladies refuse to give them a clear view of the rise, progress, delated to The proposition was not adopted. The M cline, and present condition and needful helps of jority against it is not given in the paper. I sin-In the year 555, some monks who had been in India, brought to Constantinople in the hollow of their canes, some eggs of the silk worm; and in the mode of platting the straw, as communicated time they produced raw silk which was manufactured at Athens, Thebes, Corinth, &c. The Arts in London, for which they gave him their canely some earliest account of silk being seen in England, is large silver medal—and this would cost us we sons. that of a belt and two silken vests sent by would not say what, but 500 times more in pro-Charlemagne to Offa, king of Mercia, in 780. portion to our means than some of our wealthy Silk stockings were first worn by Henry II, and exemplary neighbours.

The papers on the subject of this manufacture, Mrs. Montague made and presented to queen were written during the Session of Congress, and were then communicated for publication, when we had not room to insert them in the Farmer .-They appeared originally in the United States

now accompany them.

We may here refer the reader to the Amerifrom the straw of which the Leghorn bonnet is Ah! there they let off the steam; we are at straw. Of all those to whom it was given, we others of a foreign growth or manufacture, upon the wharf at French Town-70 miles in 6½ hours know of none who have preserved it, except Ge-the importation of which, duties would be paid. -expenses, including breakfast, \$3 50-very neral Forman of Cacil, who has a small flourish- Until the British laid a heavy duty upon Ameri-

nets .- No. 1.

I regard the manufacture of straw, chip, and of straw platting. all our disappointments, we "listen with credulity to the whispers of fancy," under whose magical influence "hope springs eternal in the human breast."

ADIEU.

One of the United States, that I desire to offer to them through your paper some remarks on the subject, in the hope of persuading them to consider it seriously, and that they will use their influence with Congress, to increase the duty influence with Congress, to increase the duty of straw plat had been imported in previous years, cannot be ascertained: but we are warranted in saying, that the amount of both, during each of the five years, was at least equal to that of the year 1823. On the lowest average, every hat and bonnet exported from the subject influence with Congress, to increase the duty of straw plat had been imported in previous years, cannot be ascertained: but we are warranted in saying, that the amount of both, during each of the five years, was at least equal to that of the year 1823. On the lowest average, every hat and bonnet exported from the considerity of straw plat had been imported in previous years. can fabric to become firmly established; an United States, was worth two dollars. The loss

of the more eastern states, proposes to settle in descent of the more eastern states, there are in descent of the more eastern states, there eastern states, proposes to settle in descent of the more eastern states, there eastern states, and fill the world with it. What goods, therefore, are here eastern states, and the in the descent states, there eastern states, there eastern states of the world with it. W Looking as the guide for what we should of of their immediate friends in destitute circumfer, to the amount given by some wealthy stances. The business is now at a stand. The and respectable citizens, at whose instance they bonnets that three years ago would command they applied to us, and measuring our means \$2.75, will not now sell for more than \$1.25." by theirs, it was obvious that if we gave more "The cause of the business being at present at than the tenth furt of one cent, we should be a stand, is not mentioned; but the real cause is, chargeable with prodigality, or they with the the immense importation of hats and bonnets reverse: we concluded for once to profit by the from Leghorn, at all prices. Mr. Baylies of example of prudent neighbours, whose fortunes Massachusetts, stated in a recent debate on the wondered at, that our Congress refused to inwere not acquired by giving beyond their means; tariff, that during the last year \$800,000 worth themselves, and in many instances, to assist those sed to increase the duty from one dollar to three Mr. Baylies, of the many women and children

The proposition was not adopted. The Ma-

1. Whether made from grass or straw, materials of comparatively small value are con verted into articles of great value; some of them of very great value.

2. Because the manufactory gives employment to females and children, a class of people peculiarly deserving the fostering care of all governments, by reason of the influence which their la-Gazette, but without the engravings which will bour may be made to have upon the happiness, safety, and morality of society; and of their inability to avail themselves as men do, of various

3. Because the articles which are the produce of the manner of cultivating it, and preparing the by their being exported, and exchanged for ing crop growing, perfectly separated from all can hats and bonnets, they were a profitable ar-

It appears, by a return made to Parliament, On the Manufacture of Straw and Grass Bon-there were 176,045 straw hats or bonnets imported from America into Britain, and 3512 pounds

event which cannot be expected to take place so sustained by the suspension of the trade may long as the present low duty is continued. therefore be easily calculated. There is no pro-In the National Gazette of Philadelphia of 6th bability of the trade ever being renewed for the

4. Because it is a manufacture that does not

were not acquired by giving beyond their means; tariff, that during the last year \$800,000 worth crease the duty upon Leghorn and foreign straw and as many others do, we endeavoured to come were imported. With the view of enabling the hats and bonnets, so as to enable the domestic

labour to the nation.

and Miss Sally Hanner, of Wetherheld, Connec-disease die most commonly about the time of infection is not conveyed through the atmosticut, had the merit of shewing at the exhibi-tion of the Agricultural Society of Hartford in exhibits copious collections of water about the 1820, the first bonnet made in imitation of the chest and entrails, the blood is extremely pale sheep in many other ways so unfavourably. Leghorn hats, from native grass, called in that as well as the flesh. This disorder is unquest it is discovered by the animal's constant. state Ticklemouth.* We learn from the account tionably caused by feeding in swampy grounds, of the survey of Renssselar County, New York, and a few hours are sufficient to fix it upon a that its botanical name is Agrostis Alba. It is a sheep. It is increased by damp, foggy weather, common grass of the northern and middle states, while on the other hand, dry warm weather and spread very rapidly, though the animal conbut the excellent poa viridis, or green grass and high pasture, especially where there are tinues healthy in other respects, and generally which is also a native of the United States, and many aromatic herbs, are sometimes sufficient more lively than before. Afterwards, however, forms the green sward of the middle states would to counteract the first symptoms and effect a the disorder becomes internal, the sheep bedoubtless answer equally well if prepared in a cure. This disorder, however, when it has reach comes emaciated and dies from weakness and manner similar to that pursued with the Agrosed such a point that a common observer may pain. If the scab is observed at an early perinodice the symptoms, is probably incurable. At od it may be easily cured or at least prevented theously grows, it would answer for common a very early stage a cure is possible if the flock from spreading. One of the best remedies is a hats; but for making those of a finer kind, the is kept carefully on high land where aromatic strong decoction of tobacco to be applied to the seed should be collected, and sown very thick herbs ere abundant, and particularly among ju-diseased parts, after scratching off the scabs ed before it attains full maturity.

riculture. See Memoirs of the Board, page 31, they will cat of their own accord, or if not, it tine. Internal remedies are of no use except val. 1.

is the Agrostis Alba, but this latter species is the rot makes its appearance in a decided man-called "the American Leghorn Grass" in the ner before the winter sets in, it is useless to atsurvey; and their identity is therefore taken for tempt any thing more than to fatten the animal granted .- At all events the Agrostis Alba will as soon as may be, and sell him to the butcher. answer the purpose of making Leghorn imua-The rot certainly is not infectious, and it very tion bonnets.

during the year 1820-published in the American Farmer, vol. 2, page 151:-See also vol. 3, page 159 .- Edit. .Im. Far.

> 0 FROM THE NEW ENGLAND FARMER.

> > ESSAY ON SHEEP. By H. D. GROVE.

[Concluded from page 132.]

· On the Disorders of Sheep. common diseases among sheep deserve to be pare ed with a sharp knife and the dead hoof pared ticularly noticed.

the skin generally under the wool. The ani- hoof is destroyed. mal continues to feed well and does not grow poor, although the natural vivacity is diminished and some signs of weakness occur.

reduce them; and of the great value of their and then re appear. Soon after these the ani- merely touching the skin of a healthy animal nal generally dies without showing any symp-Miss Sophia Woodhouse (now Mrs. Wells,) toms of violent pain. Ewes attacked by this but as far as my observation has extended, the early in the Spring. It can be purchased at seed niper bushes, and in bad weather carefully with a comb or other instrument. The decoestores. The grass for bonnets should be collect-housed and well fed. Horse chesnuts are an tion of tobacco mixed with lime-water and oil excellent article for fodder in this case, also a of vitriol, and used constantly for some time, * Made at the expense of Stephen Van Rensgentian, angelica root, willow bark and other
sellær, President of the New York Board of Agbitter herbs with a little salt and grain which ed with vinegar, sulphur, and spirits of turpenshould be administered in small quantities in the when the disorder has induced other complaints It is not certain that the Ticklemouth grass, morning before they are driven to pasture. If by weakening the general health. often occurs that only a few sheep are attacked in large flocks; and generally in such cases, if † This first specimen of imitation Leghorn, the shepherd is honest, the disease may be trac from a native grass, was spoken of in terms of ed in every case to some swamp or other wet high and justly merited praise, in the abstract place where these particular sheep may have of the Agricultural Exhibition of New-England, strayed.

The Mouth and Hoof Distemper.

These complaints seem to have a mutual connexion, since the former, which is the mildest, very often precedes the latter. In the month the principal evil to be feared, is that the sheep become emaciated from the inability to eat, with a strong decoction of sage, mixed with an equal quantity of vinegar and a little honey. If the blisters continue to spread, half an ounce of blue vitriol should be added to a quart of this mixture. The disorder in the hoofs is soon dis-Almost all the disorders which attack sheep covered by lameness, and if this is evidently not are caused by the want, and seldom or never by produced by any external injury, and especially the excess of activity in the vital organs. The if several sheep in a flock are attacked at the nerves are very susceptible, but seldom act with same time, great care should be taken to obvigreat force—and whenever they are powerful- ate the effects of this disorder. The best remely excited, this excitement soon passes off and dy is a poultice of dough or fat loamy clay leaves the animal extremely weak. It follows which should be applied to the foot by means of from this that most of the means required for a little bag, but not tied hard to the ancle, and the cure of diseases among sheep should be cal kept constantly wet with vinegar, till a swellculated rather to excite than to allay the activiling appears on the upper side of the foot, or in ty of the functions of life—a few of the most the cleft of the hoof. This should then be openoff. The wound must be washed with cold water and sprinkled with dry vitriol. The lame Exhibits itself scarcely at all externally. The animals should remain carefully separated from blood loses its high colour and endency to co- the sound ones, and the washing and sprinkling agulate and becomes watery. The first percepe with vitriol, repeated till the cure is effected. Its first symptoms are a weakness in the gait, tible symptom therefore is the loss of the bright. This disease is not only contagious but also inred appearance about the eyes: the lips and in factious in the highest degree and oftentimes so main separate from the flock. The head is side of the mouth also become pale, as well as violent as to produce caries in the bone after the

The Itch or Scab.

who depended upon the manufacture of them as The disease commonly gains strength in the than any other, until the proper mode of treatamens of support; of the poverty to which the winter. Watery swellings are formed, particularly ment was discovered. The scab is certainly loss of their usual employment must inevitably larly under the chin, which are often absorbed contagious, and may readily be propagated by with matter from a pustnle on another sheepphere, though it often seems to be epidemic, and particularly in very damp summers, which affect

It is discovered by the animal's constantly rubbing or scratching itself, and making at the same time a peculiar motion with the lips. The scabs are sometimes dry and sometimes moist,

The Sheep-Pox.

This disorder is contagious, and propagates itself by exhalation from the sick to the healthy animal, but it has not yet been discovered how far these exhalations may extend. If, however, it appears in a neighbouring flock, care should be taken to mitigate its effects by a general and careful inoculation, since it is certain that the disorder is less violent if taken by inoculation, than in the natural way. The operation is perfectly simple and easy. The animal is laid on its back and held by two or three men while the operator introduces the matter, from a pustule five or six days old, in two or three places between the legs or on the tail. The lancet should be introduced in a slanting direction under the skin about the eighth of an inch, and The best remedy is to bathe the part affected when it is withdrawn, the skin should be pressed down upon it so as to wipe off the matter and leave it in the wound. A pustule is formed generally in four days, and reaches its greatest size on the sixth, when a few others generally appear near the first.

Soon after this the usual symptoms of fever and general eruption take place, which last is however, more regular and safe than if the animal had taken the disease without inoculation.

The only care necessary during the progress of the disorder, is to keep the sheep in a cool and airy situation. Internal remedies are not required, but the sores should be often wash d with a strong infusion of camomile flowers in which a little blue vitriol has been previously dissolved, and afterwards dressed with a salve made of yolks of eggs and turpentine, mixed with a little powdered charcoal.

The Reeling Sickness

Is never-infectious, but generally incurable, Its first symptoms are a weakness in the gait. thrown into an unnatural posture, generally on one side. The animal then begins to turn round, always in one direction,-stumbles and This disorder is arealed more than any other, falls repeatedly, sometimes with the head under and did in fact more damage in many districts the body, then ceases to feed and soon dies.

to this disorder, and very rarely sheep over two years old. The seat of the disorder is always to be discovered on the brain where one or more blisters are formed and filled with a watery

The origin of this complaint, and of course the proper preventive treatment, remain as yet undiscovered. A cure is sometimes effected by an operation through the skull to let of the wa-

The first step in this case is to examine the skull carefully, in search of a soft spot in the bone which usually indicates the spot affected. The skull is then perforated with a trocar, acompanied by a tube through which the water produced, the expense attending the transportation of which to the markets of the scaboard, it up, stocks and all, close to the surface, as soon drawn, and a few drops of the essence of myrrh applied to the aperture. This operation is sometimes successful, but more often the rewood in comparison with its bulk and weight is off the ground. Proceed immediately to plough, very great. may escape; after which the tube also is withperish.

the stomach, emitting great quantities of gas as that of the second quality on other sheep.— der thus secured, a full compensation for all the which stretch this organ so as to draw together Considerable quantities of Saxony wool have been labour of cultivating the crop, leaving the grain

prefer, especially if they are not accustomed to every additional carat, while the expense of ten days in September. it. Green clover and lucerne have, therefore, maintaining the sheep remains nearly the same. often been observed to bring on this disorder—but it is nevertheles certain that neither of these substances are in themselves injurious, since 1 ON SUMMER FALLOWS, AND FALLOW crease of corn, over land which has no sod, I have known sheep accustomed to them eat their fill day after day for months together without suffering any ill consequence. Any young than dry fodder—but only when eaten in ex been pretty much abandoned. It has been found cess after long abstinence. If the approach of that, the swelling is observed by the shepherd in season, it may be prevented by violent friction of ly. These remedies are assisted by a previous sun. dose of lime-water, which should be repeated dose of lime-water, which should be repeated half an hour afterwards, taking care that the And, half an hour afterwards, taking care that the And, lime is good and not previously air-slacked.

4. That they waste the vegetable and fertilizing the first place, a quantity of the roots of the black hellebore, or itch weed, which abounds in lime is good and not previously air-slacked.

the paunch with the trochar and sheath-an ope- the sun and winds. ration which cannot easily be described, but may

experience is his best guide.

Brookline, 1824.

-0

to supplying her own manufactories, now furnishes much of the finest wool, manufactured in England. No country possesses more favourable
climate or better pastures for sheep than the
escape of the gasses evolved in the fermentation, strength to the young plants.

Lambs and yearlings only are usually liable United States. Wherever the fine merino sheep of the vegetable matter buried by the plough, this disorder, and very rarely sheep over f Spain have been introduced, they have been If you have manure to spare, (and you can use ound to thrive. Their fleeces have ever been it no where to better advantage than with this reproved in quality, by attentive treatment.—crop,) spread it on the sod and plough it under-from the usual enterprise and industry, which Plant your corn in hills. The distance will dehas distinguished the inhabitants of this country, pend upon the kind of seed, and strength of the will not be deemed too sanguine to hope, that ground. I plant at three feet each way. Haracarly as rapid an increase may take place in the row at the first dressing, the more the better, production of the staple article of wool, as has tap provided you do not disturb the sod; and plough ken place in that of cotton, within the last thirty shallow and earth slightly at the second. But years; and that many who are now in existence exterminate all weeds. By leaving the sod unmay live to see the period when fine wool shall broken, the roots of the grain have a better supbe classed among the great staple exports of this ply of moisture and nutriment beneath it. The

CROPS.

green feed is more likely to be hurtful in this way tain, France, and America, summer fallows have will admit.

1. They occasion the loss of one crop.

the back and belly and driving the sheep rapid it to the influence of a scorching midsummer's

crop, are unknown in English husbandry,

process of decomposition is at its height in Aucure out of five, it seems worth the trial; since without some relief the sheep must certainly much confidence on the quality of the wool of The nutriment in the stocks will ripen your corn, perish. Swelled Paunch.

paring it with the wool produced from the best quality, and double the quantity of cattle food.

When sheep or other ruminating animals eat flocks of the country. There are many merino An extensive and intelligent farmer, Mr. P. R. more than they can digest, the food ferments in sheep of full blood, whose wool is scarcely so the Livingston, informs me, that he values the fodwhich stretch this organ so as to draw together Cousacrable qualities of Saxony wool have been labour of cultivating the crop, leaving the grain its apertures; the paunch becomes excessively sold in this country at one dollar eighty cents a clear profit. I split the hills, harrow, plough, distended, the lungs oppressed, the breath and per pound, and selected parcels readily command sow the seed, and harrow it in both ways. On pulse obstructed, and the death is very sudden two dollars per pound in England. The value of light soils, it may be preferable to plough in the This effect may be produced by fodder or wool increases in a very rapid ratio, as it apseed. I raise an early and very prolific corn, any kind, but most readily by such as the sheep proaches the finest grades, like the diamond for which is invariably ripe enough to cut the first

I am satisfied, from several year's experience, think 20 per cent. on an average, and the crop is [By J. Buel of Albany.] much less liable to be injured by drought. The In the best improved districts of Great Bri-planting should be as early as the season and soil

Failures, and great inconvenience and loss often result from the seed not vegetating, from its destruction by the wire worm and grub, and from 2. That they impoverish the soil, by exposing to the influence of a scorching midsummer's plants by birds and squirrels. As I have never suffered in either of these respects, I will state my method of preparing the seed. I collect, in If the attack is so violent as to leave no time ing matter of the sod, which, by the cross plough-swamps, grows with and resembles in its habits, for these remedies, an opening must be made in ings, is exposed to the exhausting influence of skunk's cabbage, except that the leaves are narrower, longer, and grow upon the seed stock: Darwin says, that "though a summer fallow these I boil till I obtain a strong decoction. I exhibited without any difficulty to any person may be an advantage to a poor seil which has then take out the roots, and add to the liquor unacquainted with it.

I omit to notice a great variety of other discone which has nothing to gain." It is only advo-three gallons, and put in my seed corn while the eases of sheep which I have had no opportunity cated, by late writers, as a means of destroying fiquor is yet warm. Thirty-six hours is the of attending to personally,—and also the whole weeds; and this can be done full as well by longest period it should be suffered to steep, as cories of external injuries to which shown are cross which require to be hard-hood particular, the nitre may otherwise destroy the vertex. For summer fallows, substitute FALLOW CROPS. in, and the seed again immersed in it anew. Thus These may be maize, hotatoes, beans, heas, or prepared, I have not lost twenty hills in four oats. Or, if the ground is a clover ley, it re-years. The germinating process commences bequires neither fallow nor fallow crop. Plough fore the corn is planted, and unless the ground is SAXONY SHEEP.

in August or early in September, and sow wheat too wet to grow this crop, (and it never pays the upon the sod, harrowing well in the direction of expense of culture, on soils that abound in The importation of sheep, selected from the upon the sod, narrowing wen in the direction of expensions, or that are naturally wet and cold,) it fine flocks of Saxony, must be viewed with much the furrow. I will speak of the fallow crops sesprings, or that are naturally wet and cold,) it will continue to progress. The hellebore is will continue to progress. gratification by those who feel an interest in the parately.

prosperity of this country. It is but little more 1. Indian Corn. If the soil is stiff, or the poisonous, and though the ground may partially than fifty years since the merino flocks of Spain sward stubborn, plough late in the fall, and har-extract the poison, neither pirds nor squirrels were first introduced into Saxony. So rapid has row in the spring, before you plant. If a sand will ever disturb a dozen hills. The tar imbeen their increase since, that Saxony in addition or light loam, leave the grass to grow till near pregnates the seed, and protects it from the

bushels of seed on an acre, instead of six quarts, drills, and sowed broadcast. I need not describe the usual quantity; and pulling up all but the first, which is a well known process. I had requisite number of the most thrifty plants at an acre in drills, which was the best crop I ever the first dressing of the crop; and that no stalk saw. My management was this: on an acre of from observations too vague, and a defect of eleproduced less than three ears. I do not know light ground, where the clover had been frozen mentary knowledge, the agriculturist conceives, that the facts have been correctly stated to me; out the preceding winter, I spread eight loads of but I confess they appear to be rational. We scarcely ever notice a hill of corn, without observing a spear more vigorous than the rest, which made with a light plough, at the distance of physical and mathematical truths. maintains its ascendancy, and is always most proli-fic in its return. On the contrary those plants furrows about the 25th May, by the hand, at the curs, in the very general notion of deep-seeding; which are pale and sickly when young, seldom rate of at least a bushel on the acre. I then produce much under the best care. My experi- guaged a double mould board plough, which was that deep-seeding places it out of the reach of ence warrants me in the belief, that seed taken passed once between the rows, and was followed frost, fly, and other disasters incident to that vafrom a stock which has produced two or three by a light one horse roller, which flattened the luable staple: whereas, on the contrary it is de-

rotted, and spread previous to ploughing. If likewise upon a piece of ground where the clodunged in the hill, the manure is apt to generate ver had been killed. It was ploughed about the too much heat, to encourage a too luxuriant first of June, the seed sown like peas, upon the growth of tops, to protract the ripening of the first furrow, and harrowed in. The drought growin of tops, to product the righting of the mischen the trighting of the mischen the following th Scotia produce the best in the world. The cli- too ripe when it was harvested, and as it was cut mate in both is comparatively cold, and very with a scythe, I estimated that at about two and damp. I have planted them on a clover ley, by a half bushels were left upon the ground. No dropping the seed six inches apart, in every labour was bestowed upon them from the time we need not inquire; it is sufficient for our purfourth furrow, long manure being first drawn off they were sown till they were harvested. the land with a rake into the furrow. The ground was afterwards rolled-and harrowed as the under this plan of culture, with manure produce ground is quickly prepared for crop; which should not be put in after the first week in Octoher. I have procured a kind which are not only of good quality for the table, but which come to maturity in eight to ten weeks from planting. These promise to be valuable for a fallow crop. A practice has been recommended to me, to prevent the deterioration of this crop, a misfortune which seems to follow planting, successively, seed raised upon the same farm. Two years' experience has tended to satisfy me of its utility. The recommendation is, to select seed of a good size, to cut off and throw away a slice from the seed end, and to cut the residue into two, three, or four pieces, according to the remaining number of eyes. Its utility is based upon the suppo sition, and I may say the fact, that where seve-The best potato soil is one which is cool, moist, and light, such as is afforded by swamps abounding in vegetable alluvion, and well drained. The seed should not be planted so deep, nor the plants earthed so high, as to exclude the salutary influ the ground, with the plough or cultivator, are

highly beneficial.

3 Beans may be cultivated in drills or in hills. They are a valuable crop; and with good care are as profitable as a wheat crop. They leave

A gentleman in Madison county, who is said the soil in good tilth. The China bean, with a to have raised the greatest crop of corn ever red eye, is to be preferred. They ripen early, growed in the state, ascribes his success princi pally to the circumstance of his having put four pally have pally to the circumstance of his having put four pally have pally h ears, is more prolific than seed from a stock ridges. The crop was twice cleaned of weeds, which has produced but one ear.

by the hoe, but not earthed. The product was deep-seeding, the vigour of the plant is impaired, 2. Potatoes, if intended as a fallow crop, should more than forty-eight bushels, by actual meabe planted early. If on sward, hills are more surement. The beans brought me one dollar the convenient than drilis. The dung should be un-bushel last fall. The third experiment was

4 and 5. Peas and Oats, are both a pretty sure 4 and 5. Peas and Oats, are both a pretty sure that every plant has its natural and respective crop upon a sod. The ground should be ploughted by the fell out th plants were breaking ground. One ploughing crop upon a sod. The ground should be plough-and a slight earthing with the hoe completed as no sible. A next way of province in as early as possible. A neat way of putting in either of more than 400 bushels per acre. Land ploughed these crops is, where stones and roots do not deep the preceding fall, would, I have no doubt, interfere, to turn the furrow slice six inches scends into the earth, and a correcting fall. broad, and six deep, and lay it in an angle of 45 dea larger crop, Potatoes, generally, may be dug grees upon the preceding slice. A field thus between the 15th and 30th September; and the ploughed, presents a continuity of ridges, five inches high, and six inches slope, each way. Sow the oats or peas-the seed falls naturally harrow with a light seed harrow, across the fur rows. The inequalities are thus reduced, the grass upon the edge of the furrow slice perfectly smothered, the seed covered with fine earth, and it comes up with the regularity of a drilled crop. inverted sward, and as the first of a six years' rotation; and they recommend that it be cut in to three tons of fodder. In this way, they are unquestionably the most profitable; and when should be sown on an acre.

0.00 FROM THE CAMBRIDGE CHRONICLE.

national wealth and happiness .- Edit.

of the industry of man, more frequently foiled, than that of agriculture; frequently to his annovance

in regard to wheat in particular, it is believed, and it falls a more easy prey to the fly, frost, or to any other adverse incident.

The God of nature has, in this, as in other cases, prescribed laws immutable, which the presumption of man shall not violate with impunity; his skill and judgment may apply these laws to his numerous purposes of profit and enjoyment. but when from inattention or design, his efforts are in hostility with them, his calculations and his hopes will inevitably prove fallacious.

Whether by a species of instinct, or to whatever unknown principle we may please to refer it, vegetable physiology bear witness to the fact, earth, at which it will best vegetate and prosper; scends into the earth, and a connecting fibrous substance between the two, which is called the caudex; this caudex of perennial plants is observed to be buried deeply in the ground, but that of annuals is found near the surface, when planted by the hand of nature, and if accident or full into the cavities between the ridges-then design shall place it deeper, the caudex is necessarily elongated by so many additional efforts of the plant, to bring the plume or leaf bud to the vegetating distance, or to that point nearer the surface, which nature, by her laws, had affixed it comes up with the regularity of a drilled crop. for it, and from which by an easy effort the The trustees of the Massachusetts Agricultural leaf may be developed to its destined elements. Society, recommend oats as the best crop upon an this unnatural effort, or rather, this self-exertion, to obey its laws, and preserve its life is found to weaken, and occasionally to destroy the central the milk for fodder. An acre which would yield stem arising from the primitive bud, and to pro-30 bushels, might, if cut in the milk, give two mote a lateral growth of weak and sickly stems which, by good culture and a powerful soil may hossibly produce a multiplied crop; but in ordiintended to be cut green, five or six bushels nary land and culture, the consequence must obral stocks grow close together, the vegetable will should be sown on an acre.

As a general rule, peas and oats constitute the justly remarked, by the destruction of the first slice, which has from three to six eyes, may be correctly compared to the tips and butts of an ly if the ground is not manured. Upon loams have not time to ripen, and thence become light, ear of seed corn, which are rejected as useless, and sands, beans, and, with manure, maize and in respect to the size and plumpness of the grain, because they produce invariably sickly plants. potatoes, are preferable as fallow crops. which too, he says, is apt to occur when the crops are grized; in this case, the same cause, the destruction of the central bud produ es a ramified second growth of inferior vigour: and Dr. Darwin in his valuable treatise of Phytologia conence of air and light; but frequent stirrings of The following communication is thankfully re- hirms the doctrine, "whatever tends to weaken ceived, in as much as we fully believe that a or destroy the first stem, will prove injurious, free interchange of opinion upon questions of unless the crop be too luxuriant or too forward," agriculture, is highly calculated to strengthen a circumstance which it is not my design, at the that important pillar of individual, as well as present to provide against, but rather to promote. From this view of the subject it may be inferred, that the weaker the soil, the more shallow gates can be easily constructed by any common until they will again need a renewal by the same should be the seeding, and that rich lands only farmer who has any use at all of tools. may sustain and raise to perfection, the multiplied starvling progeny of deep buried grain which I have no hesitation to assert.

It may be objected that as deep seeding multiplies the branches, so it may be used, even in poor lands, for economy in seed; but it will be held in view, that though by deep seeding, thinheld in view, that though by deep seeding, thin-ly, you may grow as many stems, as by shallow-seeding heavily, yet upon the principles laid frame and then nailed; the cross pieces are down, the stems will be of secondary and sickly growth, and in a soil of moderate powers, will disappoint a most moderate and meagre hope.

ced the fallacy of grazing wheat, with sheep and other stock; a practice lately obtaining a and other stock; a practice lately obtaining a side of the gate turns, as on a hinge, whilst the very general currency, with a view to destroy upper end of the same piece is confined by simgenerally ensure a diminution of the crop.

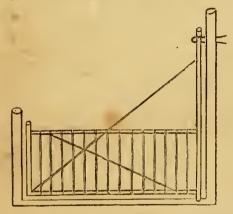
the above remarks not with a view to appear be-fore the public, in the garb of an outre costume, he was soon followed by all his neighor affected singularity, but because I hold it to be my duty as an agricultural member of the community, to eradicate what I conceive to be a prevalent and pernicious practice, and to substitute parts of my own county, this plan of a gate is therefor, a theory and practice, which in my not known. If you think it is worthy of inserthorough conviction, is both true and useful.

I have the honour to be,

Your's respectfully, JOS. E. MUSE.

Cambridge, April 2, 1824.

0 A COMMON GATE FOR A FARM



TO THE EDITOR OF THE AMERICAN FARMER.

DEAR SIR,-

I send you above, a plan of a very simple, though, in my humble opinion, a very good Gate for a common Farmer.—It scarcely needs an explanation, as it is of so simple a construction that a bare inspection of the figure will be sufficient at once to understand it.

The main improvement in this gate over many others of similar construction, is a piece of timber or lathe, reaching from the foot of the front piece of the gate, to near the top of the hind piece; and this hind piece is made to reach much higher than is common, so as about to equal and thus the grand and universal failure of all season attain to their full size, and will exhibit of Newcastle, and within a space of twenty-one large gates, (to swag) is remedied; for you will several varieties of form, and may be then select-miles in length and twelve in breadth, 225 miles in length, the top or bottom piece of the gate; observe by the plan, that the fore end cannot pos sibly swag or sink without pulling the top of the matter so to confine this as not to move an inch: obtained will be very productive, and will con within a space of less than ninety miles of super-you will also discern from the figure that these tinue so for many years, gradually deteriorating, ficies; hind piece along with it, and it is a very eas.

The pieces which compose the frame of the gate, should be about three inches, by two and a half-and the cross pieces and supporter (as it might be called) about two and a half inches wide, by one and a half or two inches thickthe pieces composing the frame of the gate are simply nailed on. The gate posts are two Locust posts united at bottom by a sill, which is any thing more efficacious than the following, sappoint a most moderate and ineagre nope.

Partly buried in the ground, in a small bowl-like please through the medium of your agricultural please through the please through the your agricultural please through the your agricultural please through the your ag hole, made in this sill-the bottom end of one paper to make it known to him,-Prescription ted and perhaps not averted by a practice, which must upon known and established principles, This gate may be latched in any way that may quantity of strong vineran and sufficient I have been induced, Messrs. Editors, to make a gate is taken from some gates which are in use a gate is taken from some gates which are in use in my neighbourhood, being first adopted by one ing is an infallible method. Another method farmer—he was soon followed by all his neighbourhood; let the apple when ripe, be split bours; but so slow are we in discovering and adopting new improvements, however useful and simple their construction, that I believe in many tion in your valuable paper, you are welcome to do so.

Your obedient servant,
JOHN F. CARUTHERS. Rockbridge County, Virginia.

The true principles of gate-hanging have been explained in this Journal vol. 1, page 182. The plan above described, secures no doubt the advantages there stated—but as the upper and lower pivots of the gate have a perpendicular relation unvigation as the latter extensive and highly pnto each other, how is the fulling to of the gate regulated?—Edit. Am. Far.

It appears from M. Huerne's work that the

0 HOW TO GET

NEW VARIETIES OF POTATOES.

TO THE EDITOR OF THE AMERICAN FARMER.

Sir,-1 feel much pleasure in answering the inquiries Mr. Pursley, in your No. 16, having repeatedly renewed my stock of potatoes by new in these constructions is estimated at more than varieties, obtained in the following manner.

When the vines are done growing and are turning brown, the seed is ripe-then take the balls thread, hang them up in a dry place, where they them to separate the seed from the pulp; when remark, that, of the total length of the English washed and dried they are fit for sowing in rows, canal, (2471 miles) more than 1400 miles comsprout in a fortnight—they must be attended to London and Liverpool; the length of this alone like other vegetables—when about two inches being 264 miles; and it is connected in its course high they may be thinned and transplanted into with forty-five others, of which the united exrows, about three or four inches apart; as they tent equals 1150 miles. increase in size they should be hilled. In the walnut, and from that to a pea. In the following spring they should be planted in hills, placing the projection of a canal between Newcastle and the large ones together—they will in the second Carlisle, that at that time, in the neighbourhood

Respectfully yours, New Jersey, July 15, 1824.

(P) **** PRESERVATION OF POTATO APPLES.

Wye Mill, July 12th, 1824.

Sir,-My countryman at St. Michaels, seems ignorant of the means of preserving the potato apple, from frost and rot .- Should you to whom he looks for information, not be acquainted with as follows: let him make a strong pickle or brine of salt and water, and immerse his apples chimney during the freezing months; the foregoand exposed to the sun, or in the shade in dry weather, till it becomes sufficiently dry, then inclose it in a linen or other bag suspended in a warm place, till wanted for sowing.

I am, sir, respectfully,

SENEX.

To Mr. J. S. Skinner.

CANALS.

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The following particulars, respecting canals in England and France, will be found of some interest, particularly the fact that our own state will soon contain as many miles of completed internal

number of canals in the Un ted Kingdoms is one hundred and three, of which ninety-seven are formed in England alone, not including those of which the length does not exceed five miles; five in Scotland, and only one in Ireland. The total extent of these canals for the three kingdoms is 25824 miles: i. e. 2471 miles of English canals, 1494 miles in Scotland, and 614 miles in the Dublin and Shannon canal. The sun expended £30,000,000 sterling; and in some cases, the original shares have risen in a few years to fifteen, and even twenty times their original value. In and string them with a large needle and strong the lines of these canals, forty-eight subterraneous passages occur, the entire length of which is will gradually dry and mature, without danger of not known; but forty of them whose lengths are injury from frost. In the month of April soak stated, give a total developement of 57,051 yards, the balls for several hours in water, then squeeze or more than thirty two miles. It is deserving of stated, give a total developement of 57,051 yards, in a bed well prepared in the garden-they will municate with the grand navigable line between

In speaking of the iron rail-ways, the author Autumn many of them will be of the size of a states, on the authority of a report, dated 17th August, 1817, of the proceedings of a society for ed to suit the judgment of the cultivator. I of iron rail-way were constructed above ground, vould prefer gathering the balls from potatoes and an equal length under ground; making the of a good kind. The first crops from seed thus almost incredible total of 450 miles in length.

No. 18.

Such is the present state of the English navigable canals: not a yard of which existed before the year 1755. Till that time, the idea of canals was ridiculed as superfluous and absurd, in a country like England; enjoying as it was said, favourable lines of coast, and provided with numerous navigable rivers. It is well known that the Duke of soil. Bridgewater, by opposing himself to the prevailing opinions and prejudices of his country, first demonstrated the practicability and importance of such works; and to effect his purpose, on coming of age, he limited himself to a personal expenditure of £400 per annum; applying the remainder of his revenue to the construction of the first canal, bearing his name, and which forms an imperishable monument of his genius and patriot This work, completed in 1759, proved the practicability and advantage of the system, and laid the foundation of all that has since been effected in it, so highly to the interest, the convenience, and the reputation of the country.

Of navigable canals in France, the number is very inconsiderable, there being only six of the first order, and about twenty of inferior dimensions. These six are, the canal of Briare, completed in 1642; that of Languedoc, in 1680: that of Orleans, that of Lorgan, finished in 1723; the Canal du Centre, in 1791; and that of St Quentin, 1816: the total length of which amounts only to 591,000 metres, or 378 English miles. The se condary canals have a total length of 250 miles, making thus together only 628 miles of navigable canals, in a territory containing 26,700 square the samples of last season. French leagues; being quadruple the surface of England, and with a population nearly three times as great.

A report of the tobacco inspected at and delivered from Nottingham Inspection Warehouse, during the quarter, commencing on the first Monday in April, eighteen hundred and twenty-four, nd ending on the first Monday in July, in the year of eighteen hundred and twenty-four.

O STATE

	Domestic growth.	Growth not of this state.	Re-in- specied.	Total.
Number in- spected.	97		1	97
Number de- livered.	41			41

THOMAS BADEN, Inspector.

TREASURY OFFICE, ANNAPOLIS, July 10, 1824. True Copy, from the original report on file in this office.

B. HARWOOD, Tr W.S. Md.

Editorial Correspondence.

Albany, 10th July, 1824.

I send you a specimen of the celebrated White Flint Wheat, which flourishes in some of the western counties of this State. A considerable that a bushel is reserved for you.

and has been favourably noticed by the Agricul- extensive. Society of the Valley of Virginia. It was known in Cayuga county in 1815, and was brought there from New Jersey. Mr. Watnus' wheat was not sent there until 1818—both may have proceeded origin.

me, are pre-eminently good, and I have no doubt the introduction of this plant might be advantage-f the correctness of the following statement. ous to the interests of southern agriculture, you

A less quantity of seed is necessary for sowing, as the original stalk spreads more. It yield whiter, more, and better flour. It does not require so much soil as other wheat, and takes a greater growth; although like all other cerealia. it flourishes in proportion to the richness of the

It produces five bushels an acre more than any other wheat, cateris paribus. Since its adoption in Cayuga, it has never been known to suffer mildew, and it is not so much exposed to winter hulling as other wheat in general.

But its most distinguished good quality is its being invulnerable to the Hessian Fly. This is the channel, and as thick again as the stalks of wheat in general.

Our most experienced millers and merchants speak of this wheat as superior to any other.

I send you a small specimen of Salt made at Salina, in this state.

July, 1824.

At a meeting of the Board on Thursday last, the report of a committee to which had been referred certain resolutions, deemed extremely important to the interest of agriculture, particularly this section of our county, was received and adopted unanimously, and ordered to be prepared for publication.

We are determined to make one more effort to

July.

"We have had an unusually cool Spring and by bursting.—Edit. Am. Far. Summer thus far; our corn (one of the great staples of this county, and in the next, Madison, the "Plus Ultra" over all who have raised this article) is backward. English grain and grass shows well; and the moist weather we have had, will, on the whole, be an advantage to this section of the country, by recruiting our grass lands, nearly run out by the remarkable dry seasons the four shoots, which are wholly the growth of this years past; in fact, since the Great Eclipse, and spots on the sun this meries of the sun this m pots on the sun, this region of country has been blessed with fine seasons and much abundance, with a market at our doors, owing to the encrease of population in this wooded country, by the constant ingress of settlers, on small farms of 50 to 100 acres.

By the by, let me ask you what your correspondent has done with his Eclipse of the 27th ult. He has disappointed me in accounting for our western counties of this State. A considerable cool weather; vol. 5, p. 53.—This, with the invisi-quantity of it has been brought to this city for ble spots on the sun, would have settled all matsale, by Mr. Elias Manchester, a respectable ters.—I do not see that you have got a model of before the 20th Decembernext. On that day the farmer of Scipio, Cayuga county—and I shall see a true Yankey scraper for the road—and then our premium will be awarded for the best Cotton in a true Yankey scraper for the mad—and then our premium will be awarded for the best Cotton in system of taxation in this State, is the secret of the best order. The premium cotton to be ship-This wheat has been mentioned in your paper, our roads being as good as they are, and so ped as such, either to Liverpool, or to a northern

6th July, 1824.

MR. EDITOR, In looking over Buchanan's Travels through a John, Jr. Russell Stebbins, and John Stocking, Jr. from Spain, and may probably have a common part of India, I observed that he speaks of the Ragy (or Cynosums Corocatus) of the Botanists, The qualities of this wheat, as represented to as heing next in importance to the rice crop—as lous to the interests of southern agriculture, you farm of Jesse Bennet, Esq. residing in Baltimore

vould confer a favour by requesting of your botaical friends, to give a complete account of it; hould you procure any seed they would be aceptable to the members of the South Carolina Agricultural Society.

Your obedient servant.

A SOUTH CAROLINIAN.

- O-BOTTLING CIDER.

To the Editor of the New England Farmer. SIR,-As the time approaches when those who bottle cider must be taking some precaution to preserve their bottles from bursting, I take the ascribed to the stalk, which is much smaller in liberty to suggest to your country readers a method new, theap and effectual, for preserv-ing both cider and bottles through the heat of summer. In swamps, springy and cold, great quantities of moss are found, which may be casily gathered. With this cover your bottles, set on the ground in the northerly part of the Extract of a letter dated Talbot County, 17th with cold water once a week, or once perhaps in a fortnight will be sufficient. This I have The average crop of straw is quite, or nearly found from several years' experience, a perfect equal to, our usual average, but there is a very security for the hottles, and much less trouble general complaint of scab—and in some situa-than any other method I have tried or heard of. tions also, both rust and mildew .- The wheat is It answers all the purposes of burying them in observed to shatter much less than usual, from sand; is less work, and leaves the bottles much the handlings and operations of inning; and cleaner. Moss is easily obtained in the counthere is no more certain test that it will not yield try, from low, cold lands, and when wet retains well. The quality of the grain is also inferior to moisture long. One covering will answer two the samples of last season or three years.

Your's respectfully WILKES ALLEN.

Chelmsford, June 1, 1824.

* In this concern, the Editor of the American Farmer has been unfortunate.-He has lost in former years a great proportion of his cider, though buried in sand in the northern part of a cool celrouse the strong and useful, but sleeping, energies lar, and kept moist—and this year he had preof our brother farmers.

Extract of a letter dated Taburg, (N. Y.) 4th the best cider he ever tasted, and buried it in salt .- Out of eleven dozen, about eight were lost

> To the Editor of the New England Farmer. SIR,—In August last, I inoculated some Pear trees with buds of a large winter pear, obtained from the Williams farm in Chelsea; and now I observe fruit of good size, on several of the slips of dame Nature are accounted for.

A BROOKLINE FARMER.

-0-TO AGRICULTURISTS.

A SILVER PITCHER, to cost one hundred dollars, bearing suitable devices and the name of the person who shall obtain the premium, will be given by the Merchants of Blakely, for the best wagon load of Cotton, of not less than six bales, or upwards, which shall be delivered here on or manufacturer-at the option of the planter.

The committee of award, to consist of the five following persons:

Blakely Reporter.

We are informed by a gentleman, that on the

From the Boston Centinel.

TO THE BUTTER MAKERS IN NEW ENGLAND. The writer of this note could tell a long story but he will make it very short.

all the butter-milk; put no more salt to it than He called to him a chief de butaillon, named Chewill make it palatable, for salt has no good effect vardin, for whom he had a particular regard .the butter milk, and excluding the air from it diers; stop the enemy at the ravine, you will be that will accomplish the very desirable object.

for home use, for butter cannot be exported ex- duced by a simple word of confidence. cept in kegs.

HAYTI.

This island is delightfully situated, abounding with all the necessaries and even the luxuries of life. It presents to the eye the most romantic returned safe and sound. and beautiful scenery, and while its verdant ino intains recal to our minds what we have read of ancient Gilboa, Tabor, Lebanon, Carmel, and

Sion, its tertile vallies present us with the rich luxuriance of the vallies of the Israelitish Ca-

The staple productions are coffee, rice, tobacco, indigo, and Indian corn. The forests abound with the best of mahogany, logwood, and fustic; and the pastures are literally covered

with flocks and nerds.

A yoke of well made oxen, measuring six feet six inches, may be purchased for 17 or \$18; a handsome cow and call, for \$7; and swine and poultry at the same rate. The markets are supplied with a plenty of fresh and salt water fishoysters, lobsters, and turtles. A turtle weighing 80 or 90 lbs, may be purchased for \$2. Through the mouths of June, July, August, and September, I resided upon the Island, and during this time which is considered the hottest part of the year, and the most unhealthy to strangers, I enjoyed as good health as at any period of my life.

The Haytiens have made great progress in the mechanical arts, which receive liberal encouragement. Gold-smiths, silver-smiths, black-smiths, tailors, boot-makers, painters, cabinet-makers, coopers, tanners, curriers, house-carpenters, shipoarpenters, turners, wheel-wrights, tin-workers sugar-manufacturers, and distillers, would find

constant and profitable employment.

----MILITARY ANECDOTES.

A new Military work has been published in Flour, Howard St., 5.5 371 wagon price—Do. Paris. In the chapter on military cloquence, the Susquehannah, none—Do. Wharf \$5 12\frac{1}{2}-Do.

county, near the Ivy Factory, that ninety-nine author mentions the instance of the brave General full ears of rye were produced by a single grain, which our informant counted himself. This vegetable phenomenon grows on the lower side of he called Sergeant Pascal, and said, "Grenadier,

ly surrounded, was wounded, and had only a nar-Make your butter of sweet cream-work out row defile by which to escape in this extremity. as to keeping butter sweet; it is working out all "Take (said he to him) a company of grenanat will accomplish the very desirable object. Rilled, but you will save your comrades."—'Yes, Pack your butter in handsome tight kegs my General,' replied Chevardin. He gave his which will contain 20 or 25 lbs.; soak the kegs watch and his pocket-book to his servant, exewell in a strong pickle, and then tar them; pack cuted the order, and his death, in fact, arrested the butter solid—not in layers as is too often the the enemy, and saved the French. There is case. This method of packing butter gives you something grand in the judgment of Kleber on a double chance for sale; for being equally handy the character of Chevardin; and on the side of spectfully acquaints the public that he has on for home use, if it does not sell in the market, it Chevardin, what a capacity for self-devotion! hand a complete assortment of the nost improvcan be inspected, and will be in order for expor- What ascendancy in the one, what submission in ed Refrigerators. Good housewives only can caltation. But when your butter comes to market the other! It is the neroism of Leonidas that dar- culate the many useful and economical purposes in tubs, barrels, boxes, &c. it can be sold only ed to command, and the devotion of Decius pro- to waich this contrivance may be applied. The

The custom of selling butter in lumps to the naparte had three aides-du camp, or onicers, kill. fully relied upon for keeping butter, milk, next, traders is a very bad one; every family should ed in advancing with his orders to the same point, eggs, fruit, wines and liquors of every kind, or first fill a keg, no matter if it does not contain It was necessary to send a fourth. He had no any other article of household consumption, permore than twelve pounds, then sell it to the tra-odicers near him but Engene Beannarnais and feetly cool, fresh and parc. All the above on nedder; but the other method is ruinous. Lavalette; he called the latter, and without be articles may be preserved in these macaines as ing overneard by the former, said to him, "Il long as desirible, perfectly sweet, clean and free faut y aller; je ne veux has y envoyer cet enfant from taint. The Refrigerator may be deposited

- Commo CAUTION TO SINGLE LADIES.

BY T. G. FESSENDEN. Ne'er wed with hopes of managing a fool, Lest you be wounded by a blunt-edg'd tool, United to a simpleton, you'll find, Folly is obstinate, as well as blind. Some married men, but so so, as to sense, Assume high airs to show their consequence. Preseen full many a stupid, lordly lout, With scarcely wit enough to walk about, Shew desperate valor in domestic war, To prove he's not the fool he's taken for. Since courage is indicative of merit, His fire-side skirmishes display his spirit; And china, crash'd beneath his churlish cane, Evinces power as well as right of reign; And thus makes plain, by dint of brutal force, The poet fibb'd, who said "a man's no horse. Abroad he dares not treat the meanest man ill, The tiger fawns and crooches like a spaniel! Pockets all insults, sneaks away from strife, At home-let's loose his tury on his wife!

The tyrant thus engrafted on the brute, The product is most execrable fruit.

THE FARMER.

BALTIMORE, FRIDAY, JULY 23, 1824.

PRICES OF COUNTRY PRODUCE-carefully collected every Thursday, for the American Farmer. By Rogers & Symington.

Rye, \$2 a \$2 75-Corn Meal, per. barrel, \$2getable phenomenon grows on the lower side of a hill to supply the lands with water. Several grains of timel will environment, white, \$1 to \$1 10—Ditto Red, 95 cts.—B. E. Peas, none—White supply the lands with water. Several grains of timel will environment, which produce from seventy to eighty blades, cond and a third time, and then he will for a seventy to eighty blades, cond and a third time, and then he will for a seventy to eighty blades, cond and a third time, and then he will for a seventy to eighty blades, which produce from seventy to eighty blades, cach abounding with ears, but none so many as the one we have just mentioned.—Balt. Chron.

but continue to advance. He will demand a selection of the spirit of the cycle and all the spirit of the cycle and the spirit of the cycl ed as had been foretold.

When Kleber was in Egypt, he sustained during five hours, with only two thousand men, the cts.—Pork, Mess, \$15.50—Ditto Prime, \$12 about butter, having been 45 years in the trade, united efforts of twenty thousand. He was near-Butter, 7 cts. to 14 cts.-Lard, 9 cts.-Bacon, 6 a 7 cts.—Leather, Best Sole, 24 to 27 cts.—Feathers, 35 cts.

> Tobacco very dull, except for fine quality, which is selling at high prices.—Very little brought to market for inspection, and the prices generally, same as last report.

The Refrigerator, OR PORTABLE ICE HOUSE.

A GREAT CONVENIENCE. - The subscriber reimprovements I have lately made, have so far At the siege of St. Jean d'Acre, in Egypt, Bun perfected the Refrigerator that it may now be Lavalette; he called the latter, and without be articles may be preserved in these micaines is et le jaire tuer si jeune; su mêre me l'a emfié; in the cellur, in the garret or in any part of the vous, vous savez ce que c'est que la vie." Lava- house. It does not re quire to be replenished with lette set off, and contrary to every expectation ice more than once in two days, and it is attended with another advantage-complete security against every species of vermin, to which it is totally in accessible, and in winter it will keep any article from freezing that may be deposited in it.

Also, another great convenience for the dairy. The NEW INVENTED BUTTER BOX, which has been proved to be the best contrivance for transporting fresh butter to market from any distance by land or water, ever thought of. These butter boxes are so constructed, that any quantity of butter may be brought to market perfectly hard, and in the best con lition, and without injury to the form of the prints, without the use of ice, in the hottest season. D. RICHARDSON, East Street, nearly opposite Rev. Mr. Nevins' Church.

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Printed every Friday at \$24 per annum, for JOHN S. SKINNER, Editor, by JOSEPH ROBINSON, on the North West corner of Market and Belvidere streets, Baltimore; where every description of Book and Job Pintong is executed with newtiess and despite the second with newtiess and despite the from a defance that PRINTING or LANDING, with project directions promptly attended to, addressed to \$4. Robinson, Unitimore.

AGRICULTURE.

LETTER No. 2-FROM A CORRESPONDENT ON HIS ROAD TO SARATOGA.

Dated Philadelphia, 21st July, 1824.

SIR,

I took leave of you at French Town, promising that if I should meet with any thing worthy of to the North, you should hear from me again.

reflections which spring from a view of the country southward of Baltimore. You observe, with a few creditable exceptions, the same general want of improvement, the same inattention to orchards, to domestic animals, to gardens, and to other things, which contribute so essentially to true comfort consists. It is vain, however, to rethe abundance of the necessaries of life, and the aid of extraordinary skill, or industry :- still every least, as that it should not impress the mind of receiving a fine edge. A silver medal. the observing traveller, with unfavourable opinious in regard to its natural fertility and the habits of its cultivators.

We arrived at New Castle at ½ past two, when without stopping a moment, we embarked with Capt. Jenkins, a polite man, somewhat reserved, but perfectly master of his business; you feel assured that whilst with him, as far as you can rely on a knowledge and sense of propriety, and the exercise of good judgment, you will be exempt from, both uncivil treatment, and from danger-and you must remember that mention is made of the nature and accommodations of publick vehicles and establishments; and of the con duct of those who own and manage them; because, after all, it is on these, that the comfort of travellers chiefly depends; and therefore, to give particular information in regard to them, is to render a publick service.

New Castle has been recently visited by an extensive conflagration, but by the benevolent contributions of other citizens, and the spirit of her own, she has risen, more than Phænix like from her ashes; the houses burned, have been rebuilt, others have been added, and the town improved, in appearance at least.

We arrived in Philadelphia, 125 miles, in thirteen hours-being more than 9½ miles per hourwhole expense \$7, at which none can reasonably

complain.

As I have not seen half of them, you must excuse me from attempting to describe the public institutions of this flat, right-angular city. are very numerous, and being many of them almost coeval with its existence, do great honour to their illustrious founders, Penn and the immortal Franklin, whose

- quiet memory climbs to heaven,

"Calming the lightning which he thence hath riven."

The institutions especially dedicated to Literature and the Fine Arts, are worthy of all praise, but how vain would be an attempt, even to enumerate them all, as I write, currente calamo may be imagined, when you are told, that "Philadel-phia in 1824" is now in the press of those enlightened and enterprizing booksellers, Messrs. CAREY & LEA, which will make a large volume!

VOL. D.-19.

FRANKLIN INSTITUTE" and the "FAIR MOUNT may be deemed worthy of being recorded when WATER WORKS,"

The former is an association of practical and similar associations. scientific men, lately organized, whose views have relation to, and whose patronage embraces, ob-jects connected with, the best and most substan-tial pursuits of society; as you may judge by habitants, is supplied with fresh and wholesome their constitution and list of premiums-which water, and never was I so much gratified with a they offer for distribution, and which I send you view of any artificial works. The combination remark in the course of my hurried movements herewith—such of these as are placed within the of perfect simplicity of design, with immense In crossing from the Chesapeake to the Dela- limits of the state, you may perhaps think it ex-

> *List of Premium's to be awarded by the Frankin October, 1824.

1. To the maker of the best cast steel who have manufactured the same in any state of the Union, laws, and skilled in the combination of her printhe comfort of those farmers, who know in what a specimen of at least 10lbs. in bars of one half inch ciples, may overcome natural obstacles, and, square or smaller-the quantity of steel and neut- turning the elements from their accustomed chan-

2. To the maker of the best blistered steel maease with which these are procured, without the nufactured in the Union. A specimen of at least an hundred pounds must be made, no premium ed a limited supply of water at great expense, by lover of his country would fain see it so improved will be awarded unless the steel will bear a fair the use of steam power; and the present great and embellished, on the great thoroughfares at comparison with that imported, and be capable of water works which are found to be far more eco-

A silver medal.

dozen of files to be exhibited.—A bronze medal.

N. B. The same person cannot obtain the pre-

be considered.

cast iron hihes, mude in the United States. The wheels and pumps upwards of ten millions of galtipes not to be less than 100 feet of 1 inch calibre, lons per day ! in joints of at least 4 feet long, joined by screwing

other mode. - A silver medal.

best crucibles of earthen ware, or other cheap mu- with brick, and are perfectly secure from the interial suitable for brass founders. The crucibles clemency of the weather-those now in use are must be made to endure as high a heat as those warmed in winter season by means of two large mude of block lead, and to stand at least 7 heats iron stoves, heated to great advantage and econoin a brass founders jurnace. The crucibles to be capable of holding at least 10lbs. of metal. One dozen crucibles to be exhibited.—A silver medal. negro cloth, not less 100 yards. The quantity and

rican muterials for each .- A bronzed medal.

faced, not weighing less than 70lbs .- A silver United States. The gloves to be made in Pennsyl-

16. To the maker of the best flint glass, free from veins and fit for the use of ofiticians, as dense making wrought nails—A silver medal. and transparent as the best now in use; six speci 29. To the author of the best treatise (whether mens to be produced of an inch thick and not less in manuscript or printed) on the construction of than six inches wide. A silver medal.

17. To the manufacturer of the best piece of A silver medal.

18. To the manufacturer of the best piece of workmen.- A silver medal. satin.—A silver medal.

cotton blankets .- A silver medal.

you have room for it, to serve as a precedent for

I went, as is now the custom for strangers, to reach of mechanicks and artizens beyond the power of action, and the natural association of them, in the "minds eye," with the incalculable ware, you are pursued by the same unpleasant pedient to publish; * and even their constitution blessings which they daily pour, over a population so numerous and so condensed, excites the most agreeable emotions; and prompt a ready tin Institute at their first exhibition to be held homage to the GENIUS OF PHILOSOPHY, which presides over this magnificent enterprize, teaching how a cultivated intellect, studious of her true comfort consists. It is vain, however, to respond to the bars, to multiply pine at a state of things resulting, necessarily, ness of the bars, will be considered in estimating nels, may wield them at pleasure, to multiply our comforts, to diversify our pleasures, and to prolong, and bless, existence itself.

Heretofore the City of Philadelphia has derivnomical, were commenced in 1819, by Captain 4. To the maker of the best smooth or basturd Ariel Cooley, under an appropriation of 350,000 flat files, of the best cast steel, not less than 12 dollars, by the city authorities. He contracted inches long. One dozen of files to be exhibited.— to erect the dams, the lock and the canal, the head arches and the race, and to make the excavation 5. To the maker of the best rough flat files of of the race from a solid rock for the sum of common steel, no less than 12 inches long. One \$150,000, and died when he had nearly complet-

The whole length of the fall of water, over mium on No. 4 & 5, quality of steel in each will the dam is twelve hundred and four feet, the mound dam, two hundred and seventy feet, the 6. To the person who shall discover the best head arches, one hundred and four feet, making hrocess of refining copper, specimen of the refined the whole dam, about sixteen hundred feet, and metal must be exhibited; not less than 50lbs, backing the water up the river, to the distance of weight, and the process repeated before a commit-tee of the institution if required —A silver medal. pears by a report of the committee, is calculated 9. To the manufacturer of the best specimen of to be equal to raise into the reservoir, by eight

On the west side of the river a canal of about into each other or united as effectually by some 1000 feet long, preserves the communication between the upper and lower side of the dam; the 10. To the person who shall manufacture the forcing pumps and forebay chambers are arched

11, 12, 13. To the munufacturer of the best piece will be taken into consideration.—A silver nottery of red, white and chinu ware from Ame-medal.

22. To the maker of a dozen of the best kid or 14 To the maker of the best smiths' anvil, steel sheep skin gloves from leather dressed in the vania.—A silver medal.

28. To the inventor of the best machines for

wuter wheels. In appreciating the merits of this 17. To the manufacturer of the best piece of work regard will be had to procuring the greatest broad cl.th. not less than 5 yards to be exhibited. effect with the water employed. It is important also thut the style should be intelligible to common

30. To the author of the best discertation (whe 19. To the manufacturer of the best pair of ther printed or manuscript) explaining the causes of accidents in steam boilers, and the means of 20. To best piece of cotton goods, from United avoiding them. The dissertution must contain Of the many useful establishments that would, States' spun yarn, of numbers not under sixty. more information than is now before the public; I think, attract your particular regard and admi- A silver medal.

ration, I have time only to glance at two. The 21. To the manufacturer of the best piece of in a style intelligible to all men.—A silver medal.

first is 15 feet in diameter-15 feet long, and jence, turned his mind to this, its darkest, but works under one foot head and 7 feet fall-this was put in operation in July 1822, and raises 14 million of gallons to the reservoir in 24 hours, milhon of gallons to the reservoir in 24 months.

with a stroke of the pump of 4½ feet, a diameter of sixteen inches, and the wheel making eleven and a half revolutions in a minute. The second

To prevent manures from decomposing, they and a half revolutions in a minute. The second and a half revolutions in a minute. The second wheel is 15 feet long and 16 diameter-works un- are so small, that it is with difficulty they can be tact of air, and kept as cool as possible. der one foot head and seven and a half feet fall, discovered by the microscope; it is not therefore makes 13 revolutions in a minute with a four and probable, that solid substances can pass into or mucilaginous matter, with woody fibre, and half stroke of the pump, and raises 1 1-3 millions them from the soil. He tried an experiment on readily ferment. They cannot therefore, if inof gallons in 24 hours. The third wheel is the same size as the second, works under the same procured by washing gunpowder, and dissipating death. head and fall, makes 13 revolutions in a minute the sulphur by heat, was placed in a phial conwith a 5 feet stroke of the pump, and raises 1; million of gallons in 24 hours. It is not doubted mint was growing: the roots of the plant were some albuminous matter, and a small quantity of that the second wheel can be made to raise an pretty generally in contact with the charcoal.—oil. This manure should be used recent, and wheels in 24 hours.

The pumps are placed horizontally and are worked by a crank on the water wheel, attached to a pitman, connected with the piston, at the be discovered in them, nor were the smallest fi-gree of perfection, should attend Mr. Coke's anend of the slides. They are fed under a natural brils blackened by charcoal, though this must nual sheep shearing, at Holkham. head of water from the forcbays of the water have been the case had the charcoal been absorbwheel, and are calculated for a 6 feet stroke .-They are double forcing pumps, and are connected, each of them, to an iron main of sixteen inthe end of the pipe is a stop cock which is closed case.

for any purpose when necessary. The shortest of that plants introduced into strong fresh solutions the bank is 139 by 316 feet, 12 feet deep and contains 3 millions of gallons, connected by two other substances, died; but that plants lived in remaining but a little black fibrous matter.

The best farmers in the reservoir next that plants introduced into strong fresh solutions and dissolve away. He has seen large heaps of sugar, mucilage, taining principle, jelly, and that plants lived in remaining but a little black fibrous matter.

The best farmers in the reservoir with the self-remaining but a little black fibrous matter. pipes of 20 inches diameter with the old reservoir the same solutions after they had fermented .which contains four millions of gallons.

150,000 dollars paid for mill seats, amount to 426,330 dollars.

water it is impossible sufficiently to value; neither can you, by any thing short of actual inspection one two-hundredth part of solid vegetable or ani-soil. be fully impressed with the simple grandeur of this noble enterprise.

With such reservoirs, ready to pour their floods through a thousand sluices over every part of the City, it will be easy hereafter to arrest the most

alarming conflagrations.

With such resources and an army to ply them, even the flames of Moscow, "sublimest of volcanoes," might have been quenched, and the political world would have presented a far different aspect, giving no occasion to the immortal poet to say of a congenial spirit

"But where is he, the modern, mightier far, "But where is he, the modern, mightier lar,
Who, horn no king, made monarchs draw his car:
The new Sesostris, whose unharnessed kings
Freed from the bit, believe themselves with wings,
And spurn the dust o'er which they crawled of late,
Chained to the chariot of the chieftain's state?
Yes! where is he, the Champion and the Child
Of all that's great or little, wise or wild?
Whose game was empires, and whose stakes were thrones—
Whose table, earth—whose dice were human hours?" Whose table, earth-whose dice were human bones? 0

MANURES.

Animal and vegetable matters introduced into sumed in forming its sap and organized parts. the soil, to accelerate vegetation, and increase the production of crops. They have been used ter soluble in water, it is evident that their fer in a mill would probably be repaid by the increase since the earliest periods of agriculture. But the mentation or putrefaction should be prevented as of their fertilizing powers; and in the state of manner in which manures act, the best modes much as possible; and the only cases in which powder they might be used in the drill husbandof applying them, and their relative value and these processes can be useful, are when the majory, and delivered with the seed in the same mandurability, were little understood till the great nure consists principally of vegetable or animal ner as rape-cake.

loing a service to society to aid the diffusion of

ed in a solid form.

carbonaceous matter; and if this cannot be intro- This manure is transient in its effects, and does ches diameter, which is carried along the bottom duced into the organs of plants except in a state not last for more than a single crop, which is easiof the race to the rock at the foot of Fair Mount, of solution, there is every reason to suppose, that ly accounted for from the large quantity of water, and thence up the bank into the reservoir. At other substances less essential will be in the same or the elements of water, it contains. It decays

At that time, he supposed that fermentation was as fresh as it can be procured; and the practical All the water being raised into the reservoirs necessary to prepare the food of plants; but he results of this mode of applying it are exactly conone hundred and two feet above low tide, and six- afterwards found, that the deleterious effect of formable to the theory of its operation. ty-six feet above the highest ground in the city. the recent vegetable solutions, was owing to their

The whole cost of the works so far, including being too concentrated; in consequence of which more manageable manure; but there is likewise, the vegetable organs were probably clogged with on the whole, a great loss of nutritive matter .-The committee close their report, by remark- prevented. In the beginning of June, in the next ing, justly, that the uses and importance of this year, he used solutions of the same substances, water it is impossible sufficiently to value; neither but so much diluted, that there was about only matter could be finely divided and mixed with the mal matter in the solutions. Plants of mint grew Lord Meadowbank states, that one part of dung the grass watered with solutions of jelly, sugar, and mucilage, grew most vigorously; and that and mucilage, grew most vigorously; and that watered with the solution of the tanning principle readily effected.

they can only nourish the plant by affording solid per state of division, and to prevent their too ramatters capable of being dissolved by water, or ga-pid decomposition. seous substances capable of being absorbed by the finds in the leaves of vegetables; but such parts of state it is applied; but it cannot be ploughed in them as are rendered gaseous, and that pass into the too fresh, though the quantity should be limited. atmosphere, must produce a comparatively small Mr. Young records an experiment, in which her effect, for gases soon become diffused through rings spread over a field, and ploughed in for the mass of the surrounding air. The great ob-wheat, produced so rank a crop, that it was enject in the application of manure, should be to tirely laid before harvest. make it afford as much soluble matter as possible gradual manner, so that it may be entirely con-boiled for grease, they are sold to the farmer,-

sent there are only three wheels erected. The chemist, who gave new lustre to the whole sci | fibre. The circumstances necessary for the putrefaction of animal substances, are similar to most important application. I conceive it will be those required for the fermentation of vegetable substances; a temperature above the freezing the light springing from the invaluable research-point, the presence of water, and the presence of

All green succulent plants contain saccharine

Rupe cake, which is used with great success as taining pure water, in which a plant of pepper- a manure, contains a large quantity of mucilage, cqual quantity, thus making the whole supply up-wards of four millions of gallons from these three wheels in 24 hours.

The experiment was made in the beginning of kept as dry as possible before it is applied. It forms an excellent dressing for turnip crops; and gorous during a fortnight, when it was taken out is most economically applied by being thrown into of the phial; the roots were cut through in dif- the soil at the same time with the seed. Who-

ave been the case had the charcoal been absorbdin a solid form.

Sea-weeds, consisting of different species of fuci, alga, and conferva, are much used as a manure on the sea coasts of Britain and Ireland.—

The best farmers in the west of England use it

solid matter, and the transpiration by the leaves More manure is perhaps supplied for a single

luxuriantly in all these solutions; but least so in is sufficient to bring three or four parts of peat that of the astringent matter. He watered some into a state in which it is fitted to be applied to spots of grass in a garden with the different solu- land; but of course the quantity must vary ac-

grew better than that watered with common water. Manures, from animal substances, in general, Vegetable and animal substances deposited in require no chemical preparation to fit them for the soil, as is shewn by universal experience, are the soil. The great object of the farmer is to consumed during the process of vegetation; and blend them with the earthy constituents in a pro-

Boncs are much used as a manure in the neighto the roots of the plant; and that in a slow and bourhood of London. After being broken, and The more divided they are, the more powerful are their effects. The expense of grinding them

During the putrefaction of urine, the greatest be dried as much as possible. If the dung is found the relation of it should be accompanied with art of the soluble animal matter that it contains at any time to heat strongly, it should be turned the names of those, who by observation are acpart of the soluble animal matter that it contains is destroyed; it should consequently be used as over, and cooled by exposure to air. fresh as possible; but if not mixed with solid. If a thermometer plunged into the dung does matter, it should be diluted with water, as when not rise to above 100 degrees of Fahr, there is litmatter, it should be diluted with water, as when pure it contains too large a quantity of animal the danger of much aëriform matter flying off. If Cumberland D. Williams, and W. F. Redding, matter to form a proper fluid nourishment for absorption by the roots of plants.

Putrid urine abounds in ammoniacal salts; and

powerful manure.

as manures, one of the most powerful is the dung of birds that feed on animal food, particularly the

It contains a fourth part of its weight of uric of a wall. acid, partly saturated with ammonia, and partly ties of sulphate and muriate of pot ash, a little

fatty matter, and some quartzose sand.

Aight-soil, it is well known, is a very powerful

exposed to the atmosphere in thin layers strewed over with quicklime in fine weather, it speedily dries, is easily pulverized, and in this state matter insoluble. may be used in the same manner as rape-cake, and delivered into the turrow with the seed.

The Chinese, who have more practical knowledge of the use and application of manure than any other people existing, mix their night soil with one-third of its weight of a fat .narle, make it into cakes, and dry it by exposure to the sun. These cakes, we are informed by the French stituents; and the pernicious effluvia disengaged neral appearance, and the facility with which missionaries, have no disagreeable smell, and in the process, seem to point out the propriety of she was wintered—and here state that she was in form a common article of commerce of the emburying them in the soil, where they are fitted to house. The dangers of the spring afforded

order as to fertilizing power.

nure, like the other species of dung which have been mentioned, there seems no reason why it where it can be used; and that which would of- and during the whole of the last summer, conif suffered to ferment, it should be only in a very slight degree. The grass in the neighbourhood ty and of usefulness; the fetid gas is rendered a tea, oil-cake, jelly and bran mixed. The proof, ecently voided dung is always coarse and dark-constituent of the aroma of the flower, and what portions of the three last ingredients increasing, green; some persons have attributed this to a might be poison, becomes nourishment to animals and diminishing the former as she became hanoxious quality in unfermenting dung; but it seems and to man."—Ure's Dict. Chemistry.

Subsequently as the warm to be rather the result of an excess of food furnished to the plants.

A slight incipient fermentation is undoubtedly of use in the dunghill; for by means of it a disposition is brought on in the woody fibre to decay and dissolve, when it is carried to the land, or DEAR SIR, ploughed into the soil; and woody fibre is always. Yesterda

in great excess in the refuse of the farm.

that it should be carried too far.

tirely given up the system formerly adopted on Devon. The same that you, in company with roy, near Boston, published some years since in his farm, of applying termented dung; and he has General Iredell, of North Carolina, saw a few "the American Farmer." The reasoning that

the temperature is higher, the dung should be im- Esquires. The udder of this heifer is about the mediately spread abroad.

When a piece of paper moistened in muriatic though less active than fresh urine, is a very acid, held over the steams arising from a dunghill, gives dense fumes, it is a certain test that the de-Amongst excrementitious solid substances used composition is going too far, for this indicates that

volatile alkali is disengaged.

When dung is to be preserved for any time, the dung of sea birds. The guano, which is used to stouch a great extent in South America, and which is should, if possible, be defended from the sun. To the manure that fertilizes the sterile plains of Peru, is a production of this kind.

The guano, which is used to situation in which it is kept is of importance. It herein alleged. This circumstance which has appeared to me so singular, if not familiar with preserve it under sheds would be of great use; or to make the site of a dunghill on the north side.

To such I would address the enquiry—whether

Soot, which is principally formed from the com-

This is a very powerful manure.
It is well fitted to be used in the dry state, thrown into the ground with the seed, and remanure, and very liable to decompose.

The disagreeable smell of night-soil may be destroyed by mixing it with quick lime; and if rich, or for the purpose of preventing noxious so enlarged, that it induced me to fear that my effluvia. It is injurious when mixed with any common dung, and tends to render the extractive frustrated by the officiousness of some little va-

eloquent writer, "offers an illustration of an im- of the 12th, furnish satisfactory proof that nothing

tend to resolve organized forms into chemical con- the course usually pursued-the size, shape, gefree atmosphere, are noxious processes; beneath way to rear calves. If the pure dung of cattle is to be used as mathe surface of the ground they are salutary operations of dung which have tions. In this case the food of plants is prepared this calf (then six weeks old) she was weaned, should be made to ferment except in the soil; or fend the senses and injure the health, if exposed, is fined in a dark stable-at first supplied with fresh

TO THE EDITOR OF THE AMERICAN FARMER.

Baltimore, July 21st, 1824.

great excess in the refuse of the farm. cause," a phenomenon so extraordinary, that it during the winter. She was never permitted to Too great a degree of fermentation is, however, is thought worthy of being recorded in your re- have access to any green food, any further than very prejudicial to the composite manure in the gister. The fact to which I allude is this :- a to ascertain whether it would be acceptable, and dunghill; it is better that there should be no fer- heifer sixteen months old now gives milk that has found that she placed a decided preference on mentation at all before the manure is used, than never had a calf-or any acquaintance with a bull the cured hay. previous to Monday the 12th inst. The subject protection against the air; and before the dung is troduced by our notice is an exception to general course is the first time she has been included in covered over, or, as it were, sealed up, it should and received rules in such cases, it is best that the use of green food. Can this unsolluted sup-

quainted with its correctness.

The gentlemen that witnessed this curious ocsize as that of a very ordinary three year old

cow, just after having her first calf.

The entire quantity of milk extracted at four successive experiments that I witnessed, would not, it is supposed, exceed a gill and a half.-These experiments were not urged farther, nor with any other motive than to establish the fact would it be best to abstain wholly from milking this animal, or occasionally relieve nature of this with potash; some phosphoric acid combined with bustion of pit-coal, or coal generally, contains premature and unnatural supply? The servant the bases, and likewise with lime. Small quantities of sulphate and muriate of pot ash, a little. This is a very powerful manure. bull, (being on the 12th inst.) he discovered the peculiarity to which I have drawn your attenplan of rearing a pure Devon from her, had been gabond libertine. To guard against such an event "The doctrine of the proper application of contrary to my own judgment, I resolved not to manures from organized substances," says this leave the matter to hazard, and the occurrences portant part of the economy of nature, and of the had happened to disconcert my plans. Having happy order in which it is arranged. "Ruby" to your notice, I will state happy order in which it is arranged. introduced "Ruby" to your notice, I will state "The death and decay of animal substances the plan adopted in rearing her, has varied from become the food of vegetables. I'he fermenta-satisfactory proof that the further we recede After night-soil, figeons' dung comes next, in tion and putrefaction of organized substances in the from the old, the nearer we approach the right

Immediately upon my obtaining possession of weather advanced, it became difficult to preserve this preparation sweet, a portion of these were suspended, and her fare for the residue of the year was skimmed milk, with a portion of bran, dry clover hay of the preceding year's curing, given frequently in small quantities; on this she Yesterday was exhibited "an effect without a soon fed with the same avidity as at any time

The first intimation as to the propriety of this Within the last seven years Mr. Coke has en- that exhibits this short of nature is a full bred course, was from a communication of Mr. Pomefound, that his crops have been since as good as weeks since; and was purchased with the mother, it contained, well satisfied me of its propriety, they ever were, and that his manure goes nearly an imported Devon, the 13th of May, 1823; then and contrary to general advice it was adopted, twice as far.

In cases when farm-yard dung cannot be immebeen calved the March preceding. The pecu-Mr. Pomeroy's plan was such as were approved diately applied to crops, the destructive fermentation of it should be prevented very carefully.

The surface should be defended as much as ported by additional testimony, and for this puritiencessary to say that I allude to Henry Thomppossible from the oxygen of the atmosphere; a pose several ntlemen were invited to see that son, Esq.—The present year this heifer has been compact marle, or a tenacious clay, offers the best itterduced by any position. As the circumstance in permitted to range in a luxuriant pasture; of the days is traduced by any position is an expectation against the single conditions. kept from green food, in the use of which there is now no restraint?

I submit these facts to the curious and the learned, for their digestion and solution.

And believe me to be.

Very respectfully your oht. servt.

JOHN B. MORRIS.

0 TO THE EDITOR OF THE AMERICAN FARMER.

Taburg, July 18, 1824.

DEAR SIR,

I perceive an "important discovery" by the Middleborough (I believe) boy, of milking cows by straws or tubes, is going the rounds, and as I have tried the experiment on my cows to their injury, I think it my duty through your useful paper to say, that although I succeeded in drawing off their milk, with perfect ease, and without any apparent pain, yet I found on the day following, that inflammation had taken place in their udders, the milk was clotted, unfit to use, and the quantity diminished one half; and although it is now ten days since I tried the experiment, they have not yet got over it, or come to their milk.

The weather has continued cool, and it is much feared our corn crop will fail. English grain and

grass abundant.

With respect, your obt. servt.

JOSEPH BLOOMFIELD.

0 TO THE EDITOR OF THE AMERICAN FARMER.

Brooke Grove, 7th mo. 24th, 1824. DEAR FRIEND.

I have seen in the last Farmer which has come to hand, the root of Hellebore recommended to destroy roaches. I believe it effectual, but think it necessary that those who use it should be cautioned to be careful that children, poultry, &c. be prevented from access to it, as it would be equally destructive to them. I have known one instance of 15 chickens being killed by picking up a few shreds of the root that remained after the roaches had fed on it.

In haste and with respect, thy friend, ROGER BROOKE.

THE TOKAY WINE.

As but little is known respecting the vineyards of Tokay, or the process by which the wine is

Among these hills are waters surrounded by lava. The famous vineyards of Tallia, Mada, Tolesma, Liska, and others, known by the name of Tokay, are situated in this county. The wines of Tallia are preferred even to those of Tokay.

loega, maintained that Hungary produced the the day. best. At this the prelate laughed. The Hun-

nenee over all the wine in the world.

sun; but the least moisture spoils them. The branch as resident members. vintagers therefore, gather the first ripe grapes, and in appearance resembles molasses. By mix ing this essence with the common wine of the garians assert that gold is found in the grapes; but a naturalist has discovered that what they a gold colour. This does not, however, disprove periments of Chaptal

() CELEBRATION AT FLUSHING, OF THE BIRTH-DAY OF LINNÆUS,

New York Statesman.

Pursuant to previous arrangements, the second and fashion of the city, embarked on board the new and elegant boat Linnaus. Among the dis tinguished strangers, who joined the party, were Mr. Worthington, late Governor of Ohio, the Swedish Consul, and Le Ray de Chaumont .-The Rev Mr. Penneveyre, Rev. Dr. Wainwright. Rev. C. Jones, Rev. Mr. Brientnall, and several other clergymen of this city, were also present.

The boat left the wharf, with her banners in

tive throng.

garian Archbishop then ordered some of the extracts from the minutes of the last meeting of was crowned with a splendid chaplet of flowers, Tallia-Mada wine to be presented to them. They the association, by which it appeared, that among by one of the young ladies, and a poetical chant,

ply of milk he imputed to her being carefully all acknowledged its superiority; and the Pope, other transactions it was, on motion of Mr. Clinwhen he tasted it, loudly proclaimed its pre-emi- ton, unanimously resolved, that Mr. Elliott, a distinguished naturalist of South Carolina, Pro-But the Tokay wine was not then made ac-fessor Silliman, of Yale College, and Dr. Hosaek, cording to the present method. It has been of this city, be recommended as honorary memobserved, that the grapes which contain most of the Parent Society at Paris; and that Dr. the saccharine property, dry before the rest, Joseph Bloodgood, of Flushing, and Dr. J. Van and chrystalize, as it were, by the heat of the Rensselaer, of New York, be associated with the

> The Secretary also read a note from Mr. Jefand after they have been carefully dried, extract ferson, dated the 17th instant, addressed to Docfrom them an essence which tastes like honey, tors Mitchill and Pascalis, in his own hand writing, in which, after reciprocating their kind reing this essence with the common wine of the collections on the approach of the anniversary of Canton, the real Tokay wine is produced. Of the great Father of Natural History, he says in this wine there are two kinds; the Ausbruch, his happiest manner, and with great force and and the Masklass. The former contains twice beauty:—"It would certainly be a great enjoyans much of the essence as the latter. The Hunder of the essence as the latter. worthy disciples of the society of New York, at their celebration of his birth: as that prospect, mistake for gold is the egg of a small insect, however, recedes from my view, another advances round which the sugar chrystalizes, and acquires with steady and not distant steps, that of meeting the great naturalist himself, and of assuring him the existence of gold in invisible particles in certain in person of the veneration and affection with vegetables, a fact which is evident from the ex- which his memory is cultivated here: in the mean time I must be contented with testifying to you my cordial concurrence in these sentiments, and to add those of my great respect and consideration for the society and for yourselves."

> An extract of a letter was likewise read from . By the New York branch of the Linnwan Society Judge Davis of Boston, an honorary member, in of Paris; 24th May, 1824, as reported for the which he regretted his inability to participate in the pleasures of the day, and in those exercises which have a tendency to promote the cultivation celebration of the birth day of Linnaus, by the of natural science in our country, in its best form, New York Branch of the Linnau Society of chastened by a regard to the precepts and exam-Paris, took place this day at the village of Flush-ple of the illustrious sage, whose birth-day was At 8 o'elock in the morning, the President to be commemorated by festive rites. Dr Pascaand members of the Society, accompanied by a lis, President of the New York Branch, then gave numerous and respectable party of ladies and a succinct account of the transactions of the pagentlemen, comprising much of the beauty, taste, rent society, since the last anniversary, adding a few remarks on the importance of natural science.

At the conclusion of the exercises in the hall, the company formed in procession, and moved to the Linnxan Garden, at the entrance of which they were politely received and welcomed by the proprietors, the Messrs. Princes, who conducted them through walks, bordered with trees, shrubs, and flowers of every variety, and beneath triumphal arches hung with wreaths, to an arscribed with the name of Linnaus, waving in the bour in the highest part of these extensive wind, and to the tune of Clinton's Grand Canal grounds. A temporary rostrum, sufficiently spa-March, by a full and excellent band of music, clous to accommodate the members of the sociewho enlivened the passage up the sound with a ty, was erected expressly for the occasion. Here number of national airs. We never witnessed a variety of interesting exercises took place, inmade, the following particulars may not prove more serene and charming day. Skies, fields, terspersed with music from the band, stationed woods, and waters, wore the brilliancy and mild among the shrubbery of the garden. Dr. Akerly The county of Wemplen is formed by a chain of hills in front of the Carpathian Mountains.

The county of the Carpathian Mountains. deavour to publish hereafter. He was followed In about an hour and a half, the boat arrived by Dr. Mitchill, who gave a botanical disquisition at Flushing, and the party, debarking to the on the plants of the Alps, specimens of which sound of music, proceeded to the spacious and were before him, accompanied with biographical airy hall at Peck's Hotel, which was tastefully sketches of Haller, and other eminent naturalists. In ordinary seasons the canton yields about decorated with garlands and festoons, composed Among the rare plants exhibited, was the Gre240,000 cimers, (casks.) The Hungarians are so of the rarest and richest flowers of the season. cian Olive, as also specimens from the tomb of decorated with garlands and festoons, composed Among the rare plants exhibited, was the Greproud of their wines, that they even grant them At the last celebration, this apartment was in a Virgil, and the Colisseum. The association of titles of nobility. They pretend that they are rude condition; but it is now completed, and furthese plants, with the grandeur of Alpine scenedescended from the vines which the Romans nished with all the appurtenances, to render it a ry, and with the classic ruins of Italy, rendered planted in Illyria; others maintain that they are the vines of Forma, celebrated by Horace. But accommodious assembly-room, which will in a high degree poctical. Dr. Akerly presented it is needless to trace the grapes of Tokay to this about ten o'clock, commenced the exercises of specimens of a variety of native plants, from this high origin; for their real merit is indisputable, the day, which were opened with a concise and At Trentes, in 1552 the prelates of Italy were appropriate address, explanatory of the objects all boasting of the wines of their respective council the institution, and the nature of its celebrates. In the contract of the inspiration of poetry, tries. George Drascowich, Archbishop of To-tions, by the Hon. De Witt Clinton, President of written for the oceasion by Mr. J. R. Sutermeister, the day.

of Kingston, Ulster county. A fine bust of LinThe Secretary, Dr. Elijah Mead, then read naus, copied from a coin, by an artist of this city,

composed for the ceremony of the coronation

Atter the exercises had closed, the party separated into groups, and amused themselves until the hour for dinner; some in promenading of Ohio;" which was echoed with applause. through the alleys and alcoves of the garden, overshadowed by trees, and in one place by a beautiful copse of the magnolia grandiflora, in tired, and a compliment to "mine excellent host," full bloom; and others in walking about the village; and catching the rural prospects, which at several points it presents. At three o'clock, the which, we understand, was attended by a numecompany, greatly augmented by the arrival of rous and fashionable party, who amused them-the second boat from the city, and the whole selves with cotillions during the evening. No amounting to the number of about five hundred accident occurred to diminish the pleasures of the sat down to a dinner served up in handsome style, celebration; and every one, who is susceptible by Mr. Peck, in a spacious saloon, constructed of deriving enjoyment from the charms of nature, ed, invoked "that all-gracious Being, who clothes the smiles of beauty, and the innocent recreations lustrious La Cepede is President. The name, the lilies of the field, and crowns the earth with of the mind, must have returned highly gratified which they have adopted, evinces their preference for the system of Linnuns. They have aland the shades of night set in, to grant an admittance to that Eden, with songs of everlasting joy in the heart, where the flowers never wither. and to that table, which shall never be removed." vivial board, enlivened at intervals with favour-its celebration. ite airs by the band. After the cloth was re-

By the President of the day. The immortal memory of Linuxus.

the American Linnaus.

vilized world.

ticultural Society. The interesting and beau-sist not only in enlarging the sphere of Natural The place which I now occupy, would be more tiful system of vegetable physiology, which Science, but in devising a system by which an ob-suitably filled by some who are present, who owes its origin to the penetration and wisdom ject could be recognized from the description, and have made greater advances in science, and who

New-York.

wealth, represented at this festival by her late the globe has been explored to augment the rich-science: and such an intimation from a quarter

Governor, Thomas Worthington.

By Dr. Brown. The New York Branch of the ralists.

Linnaan Society of Paris—A scion of a luxuriant. The plant .- May its growth exhibit to the world, that human works, is not without its imperfections; immediately connected with my public avoca-

mine its roots; but it will flourish, rooted in old arrangements. Another class, allured by the What a wide unbounded prospect lies before us!

by another young lady of the company, was re- health was drunk with six cheers, and the band coveries, and to darken it by barbarous nomenclastruck up the Grand Canal March.

concluded the dinner.

The festivities of the day were closed by a ball,

By Mr. Gahn, the Swedish Consul. The Ame- After a long night of Gothic darkness, the rays rican guardians of the memory of Linnans; equal- of knowledge again gladdened the earth; an in- vilized world, are now crowning the tomb of Linlized world.

a long time in a state of chaos and mingled with voted such a master spirit to the illumination of a
By the Vice-President of the New-York Hor- fable. The transcendent merits of Linnaus con- benighted world. of the sage of Upsal, whose birth-day we cele- in arranging all known substances, whether ani- have reflected honour on their country, by their mate or inanimate, in their appropriate classes, acquisitions and investigations. But I have been By Gov. Worthington, of Ohio. The state of orders, genera, and species. From that period, induced to appear in it, not from any ambitious ew-York.

Natural History assumed its due rank in the aspiration after distinction, or any idle devotion By Gen. Mapes. Our sister State of Ohio late scale of usefulness and estimation; discovery has to show, but from the suggestion of my associatorest, now a free and independent common-been heaped upon discovery; and every region of ates, that it might be of service to the cause of

By John Low, Esq. The Quercus of New-posed to the system on the ground that it offer-visitined and enhanced by every contemplative York—The poisonous ivy has attempted to ed nothing worthy of approbation, and was either view and every elaborate investigation.

What a spacious field of inquiry appears in view! the affections of all who respect talents and virtue. glory which surrounded him and desirous of establishing equal if not superior claims to celebrity, partments of Zoology prepare for the fortunate the father of American Medical Botany.

The boundless regions of Botany.

After the President of the day had retired his degrade the science by nominal and spurious distures. A third class has with a profound reve-One of the company gave—"Our guest, Thorrence for its great master, endeavoured to correct mas Worthington, the late Governor of the state his errors, to supply his deficiencies and to push his discoveries and improvements to the atmost The health of the young lady, who crowned verge of practicability. The result of these vathe bust of Linnaus, was drunk after she had re-rious enterprises of genius and science, has, upon the whole, been very propitious, but such great confusion has notwithstanding occurred, that another Linnaus is required to extricate the student and the enquirer from the perplexities which surround their walks, and bewilder their

Some of the most distinguished savans of France, sensible of these embarrassments and difficulties, and desirous of concentrating their powers in a jurposely for the celebration. The Rev. Mr. from rural scenery, from the treasures of science common focus for the promotion of science, have Breintnall, of this city, after the guests were seat- and literature, from taste and sentiment, from established a Linnaan Society, of which the iltestation of his bounty; and when the flowers of life shall have faded, the day of festivity passed, Substance of the remarks by Mr. Clinton, Presilightened apostles into different parts of the globe, dent of the day, at the commencement of the ex- to communicate and to acquire information, and ercises. they have established scientific colonies in both It is perhaps proper, and it certainly cannot be hemispheres. The society now convened, is a deemed exceptionable, to introduce the proceed-branch of the institution of Paris. Several dis-Taste, pleasure, and festivity reigned at the con- ings of this day by an exposition of the causes of tinguished devotees of science now present, are members, and Mr. Jefferson is an honorary asso-This day is the anniversary of the birth-day of clate, and has taken a warm interest in its prosmoved, the following, among other sentiments Linnaus, one of those illustrious men who have perity. In order that due homage might be renwere drunk, accompanied by remarks from some enlightened the world Natural Science, which dered to the memory of Linnzus; that the most of the gentlemen, which we could not distinctly comprises a description and investigation of all the animated incentives might be applied to the admaterial substances that exist, whether in an or- vancement of knowledge, and that the road to the ganic or inorganic shape, has, from the earliest temple of natural science, might be adorned with periods, engaged the attention, and employed the the offerings of genius, brightened by the smiles By Dr. Mitchill. The Ladies—the patronesses faculties of philosophers. Some of the most of beauty, and cheered by the panegyrics of of the arts and sciences, and governesses of the beautiful and sublime images and illustrations in worth, the natal day of the Philosopher of Sweden, men all the world over. holy writ, are derived from this source: and was selected for a grand celebration, which should By Dr. Pascalis. Count De la Cepede, Presi-Solomon who is pronounced to be wiser than all unite innocent amusement and solid instruction, dent of the Linnman Society of Paris.

By Dr. Akerly. Thiebaut de Berneaud, per- in Lebanon even unto the hyssop that springeth gress of the natural sciences. With this view we petual Secretary of the Parent Society.

Thiebaut de Berneaud, per- in Lebanon even unto the hyssop that springeth gress of the natural sciences. With this view we petual Secretary of the Parent Society. By Dr. Mead, Sec'y. Desfontaines—The dis- of fowls and of creeping things and of fishes." nies of the day shall not be strictly in unison tinguished Naturalist, and late Vice-President of This enumeration embraces almost all the princitive Parent Institution; may his fame be as lasting pal objects of natural History. The most emi be understood that the ritual is prescribed by the as Atlas, on whose summit he delighted to be nent Naturalist of Greece was Aristotle, and of parent institution. And, as the object is to please Rome Pliny. The works of the latter particulal, without offending any, it is hoped that our By Dr. Torrey. The memory of Muhlenburg, larly are a treasure of useful information, all proceedings will not in any respect be viewed as though disfigured by the interpolations of fiction. a frivolous display, or as ostentations pageantry.

ly entitled to the gratitude of his admiring coun- quiring spirit went forth, and vast collections of naus with the laurels of glory, and offering up trymen, and to the grateful estimation of the ci- useful information were made; but they were for thanks to the source of all light, for having de-

es of science, and to increase the cabinets of ratu-ralists.

So respectable, I can never pass over with neglect.

Many of the hours which I could spare from the The Systema Natura of Linnaus, like all other pursuits of an active life, and from the studies the soil into which it is transplanted, is not infe- and he has been followed by three different de-rior to that which nourishes the parent stock. scriptions of scientific men. One class was op-the enthusiasm which I cherish on this subject is

will furnish on every exploration chaplets and garlands of glory. Researches into the minera kingdom, will produce treasures of renown more valuable than the gold of Ophir or the diamonds of Golconda. The genius of philosophy has not yet penetrated the depths of geology-nor proceeded far beyond the alphabet or the horn book Theory has followed theory, and speculation has supplanted speculation. The imagination has been consulted more than the judgment and the airy castles of hypothesis have dazzled the fancy without enlightening the understanding After: vast accumulation of facts, and perhaps a long afflux of time, some Bacon or Linnaus will rise up and change it from romance into science. Chemistry sprang from the crucible of the alchemist, like Pallas, from the head of Jove; and even the erroneous movements of scientific investigation, will finally contribute, by a heaven-directed impulse, to the cause of useful knowledge.

With these animating prospects, with these exalted inducements, let us proceed to the duties of the day, ever bearing in mind, that science is honour, and that knowledge is power—and that all their ways are ways of pleasantness, and all

their paths are peace.

Abstract of the transactions of the Linnæan Socicty of Paris, with remarks by Dr Pascalis.

versary of the birth-day of the illustrious Linnz-us, the celebration of which was graced by a order the Museum at Philadelphia in the year might be referred. respectable assemblage of our fellow-citizens, I 1794. With the help of magnifying glasses, he communicated in the name of the Linnxan Society of Paris, the urgent motives that impelled the liage and organs of fructification, of which he signated as a swamp or marsh plant, while it is learned of Europe to unite themselves, for the has given no less than 700 magnified delineations, well known, that such affect, with violent dispurpose of encouraging and promoting the study of the natural sciences. To this intent they have upheld and recommended to the world the system or characteristic differences; con-equently, five prefers hills and dry plains. It therefore seemof Linnaus, as a most satisfactory and trustwor-classes, which are subdivided into forty five ge- ed almost futile to seek a proper fodder among thy guide, easily susceptible of amendment where defective in particular parts, and in its general work on this subject has been published by order research by the general character of the Graoutline inimitably perfect, simple, and compre of the Linn an Society of Paris, and, of course, mine a, that of being the natural and sale food of hensive. It was calculated, that to forward the is in our possession. ains of a society, having for its object the acquisition of knowledge and the extension of information in the Linnaun transactions; it is an attempt to the ulva. From the joint testimony of Cato, Virginia and the extension of information in the Linnaun transactions; it is an attempt to the ulva. tion, would be a welcome duty to all who were called on to assist. The Linnuan Society, therefore, enlists into its ranks, from every civilized Linnuan. It is often found in summer, after rain, delicate and light foliage; viridis, of a bright nation, the observers of nature, whether distin- on the gravel walks in gardens; it presents a green colour; glauca, garnished with an ear of a guished as enterprising explorers, or learned greenish, membranous covering, containing a whitish green hue; mollis and grata, soft and collators of her productions, or philanthropic and jelly, in which a number of long, slender, arti-pleasant in texture; fluminca and halustris, philosophical inquirers into her arcana. By the culated filaments are perceptible. The plant disgrowing on the brink of running water or in combined efforts of such a society, advances will appears as the weather grows dry, leaving only marshes, where it may be cultivated. These no doubt be made, such as no body of individuals, a thin and apparently inorganic membrane, which attributes are all peculiar to the Festure fluitants. in any one nation, could hope to accomplish.

the year that has elapsed since I last addressed ences in Paris, who then held conferences. I greedily sought after by all kinds of cattle, but you; from which you will perceive what acquisi-tions have in that time been obtained; to which merous authorities that have described it, and ployed for stuffing matrasses, and making seives valuable stock it would be easy for this country commented on its singular properties; suffice it to and baskets. It was used to sleep upon in the

of the Grecian botanist Theophrastus, save parof the Grecian botanist Theophrastus, save parfolium. Linuxus named it Tremella nostoc; but tuca fluitans.

The uva patustris is therefore the Pestially, by that great patriarch of the natural
since his time, some have ranked it with the
The learned dissertation of Mr. Thiebant, has
sciences, Tournefort; he who at the risk of his
life, descended into the grotto of Antiparos.

The interesting task has now been accomplished
municated to the Linuxus Society, concerning ther the Festuca fluitans is indigenous, or if not by M. Dumont D'Urville, of the French Navy; this extraordinary production. tricts. Fortunately, M. D'Urville was perfectly ses, low grounds or walls, &c.; it changes its the most unfavourable situations into productive acquainted with the names and descriptions of shape and affects the form of different Lichens; pastures. Several other instructive reports at-

heads, he has affixed to each its own Hellenic denomination, such as it is given in ancient clas sical writers, M. D'Urville has also discovered in the Bosphorus more than forty species and varieties of hydrophytes, one fourth of which are

Another achievement of the Linnxan Society in the first year of its existence, is a complete and clear system of classification for the mosses However humble that kind of vegetation may be deemed, however superfluous the attention be stowed on it may appear to an idle or superficial spectator, it has nevertheless attracted the patient and sedulous inquiry of Linnaus, Dillenius, Hedwig, Bridel, De Candolle, Schwaegrichen, Micheli, Vaillant, Adamson, Hill, Meese, Schre ber, Haller, and many others, who by their in-vestigations gradually rendered it evident that lar to all other plants, as discovered by Linnaus. and the Latins, ulva palastris. Among those it was left to Palissot de Beauvais to classify three nations, large flocks of sheep were consihem. In mentioning the name of Beauvais, 1 ments in their favourite science. As it is a satis-faction to trace where the footsteps have trod of regal mantle. As the ulva palustris was so high-LADIES AND GENTLEMEN: -On a former anni- the man of signal celebrity, I may mention that by esteemed by them, it was a desideratum to as-

valuable stock it would be easy for this country to contribute, with honour and credit.

The first on the list is a full and extensive Paracelsus have recognized it. Magnal called it, Romans. Its seed, small and millet like, furnish-flora of the Greek Archipelago, and the shores Muscus fugax mambranaccus finguis. The Al- es an aliment to the poor in Sweden and Poland, and islands of the Euxine. Those countries, so chymists and Cabalists defined it a manna from It is raised in the north of Europe, to make rich leaven, a secretion of the stars; Stellaram furr-gruel. Besides employing it for fodder, the analy explored since the days of Hippocrates, and the flower of the leaf of heaven: Caeliflos Cæli-derns. The ulva fluitans

the plants recorded in Grecian literature; and as it metamorphoses itself, it assumes polypous therefore in arranging them under their technical filaments endued with spontaneous and rapid motions in every direction from the right to the spiral line; when macerated for eight days in water, it resolves itself into a mass of globular animalcules; and when submitted to chemical analysis, it gives water, mucus, a gummy substance, a portion of greasy matter, and a small proportion of carbonate and phosphate of lime, and muriate and sulphate of potass. The *Iremalla Nostoc*, is accounted the link between the mimal and vegetable kingdoms.

I hasten to mention another important essay elating to a new article of fodder for sheep.

Our colleague, the indefatigable Thiebaut de Berneaud, some time since, discovered, through his familiar acquaintance with ancient classical authors, that many of them often adverted to a certain plant as peculiarly the best for the nourishment of that precious animal, so useful to man. mosses possessed a system of fructification simi- The Hebrews called it, achu, the Greeks, tipha, dered an invaluable treasure; and they devoted cannot help remarking that by a singular coinci to them great care, changing their pasturage with dence, helike Plumier, Feuille, Magnol, Michaux, the scasons. They managed them attentively &c. all celebrated botanists, though natives of not only for the flesh, but for their fleece, which, Europe, perfected in this country their acquire-with the addition of gold and the Tyrian dye,

the sheep, sought in that genus for a species corhowever, on being soaked with water, nearly re- seu natuns, which is termed by the English man-It now devolves on me to give you some account sumes its former appearance. It was first regu- na grass; by the French, gremil or holish manot the transactions of the Parent Institution, for larly mentioned in 1672, by the Academy of Sci- na; by the Swedes mannagryn; a grass not only

to procure it from Europe for the benefit of Amein less than two years he has carried his researches through more than thirty-six islands and dis-whether on the sea-shore, or gravel, stones, mos- grass, may turn, to the advantage of their flocks, and the South of Germany.

hours you may wish to devote to rural festivities, est candidates for fame. I shall only enumerate their titles. There is a disquisition on the nutrition of plants, and the particular functions of the pith and neck of the moral virtues, can create a public spi-from that of the United States, and particularly root, which will be highly acceptable to agriculturists and horticulturists. Another is a dissertation on the absorbents of the roots and on the the grape by the Greeks, and their various pro- casion, that such a public spirit has happily percesses of making wine. They preceded the vaded a great section of our most respectable city.

Romans in this; but both nations had different tizens.

During the late war the importation of hats modes, which still exist through France, Italy,

While the Parent society have done so much to extend the empire of useful truths in Botany and Husband y, our fellow citizens, who have twice attended our invitation to this festival, and kindly encouraged our exercises with their prehave contributed in any degree to these advances Cattle without milk: means equally select and extensive. Our varia- ter. ble climate, which from season to season, goes shrubs from every other clime and zone. Of proportion as they grow older.
these advantages, the proprietors have so skill- By this method I have reared between fifty and these advantages, the proprietors have so skill-

lent Geology of New York and the Hudson; that of the Flora of this and the adjacent states, others of the annals of the Lyceum, and him to whom we are indebted for the botanical history of America, as read before the H storical Society of New

Parent Society; but lest I should encroach on the him, whose authority is courted, even by the high-

elegentary substances, to them susceptible of tions, there arises in the mind another moral ex- Arts of London, for the year 1822. absorption. Another is a handsome exposition cellence, which is most congenial to the duties of of the lectures o. Theophrastus, who lived 350 man to the Almighty Ruler of the Universe: for a years before the Christian era; it gives his sys-knowledge is attained by which we become postems and opinions on the physiology of plants, sessed of invaluable treasures, of food, clothing, were this Session given to Miss Sophia Wood from which it appears that he entertained the materia medica, and all possible materials that belief, that the flower was the seat of fecunda- industry can convert to our use and comfort. It tion. Another is an account of the cultivation of is a subject of congratulation to notice, on this oc-Plat. Samples of the Grass in its raw, bleached

The rest of this communication, being of a local character, is omitted.

(To be continued.) ____

REARING BLACK CATTLE WITHOUT MILK.

To the Agricultural Board of Trustees.-I lay sence, may justly inquire whether we ourselves before you the following method of rearing Black

in knowledge, and the practical application of the In two or three days after they have calved, I natural sciences. They may ask this more espe- take the calves from the cows, and put them in a cially, as so many botanists and philosophical ob- house by themselves; I then give them a kind of chiefly engrossed. Compet tion naturally led to servers, whether natives or foreigners, have al- water gruel, composed of barley about one-third, an improvement of the fabric by splitting the ready given this country a deserved repute by and two-thirds of oats, ground together very fine; their scientific labours. It is humbly hoped that I then sift the mixture through a fine seive; put that portion entrusted to us will not be allowed to it into the quantity of water (mentioned below); degenerate: the honour of membership conferred and boil it half an hour—when I take it off the by the Parent Society, summons us to exertion, fire, and let it remain till it is milk-warm—I then the country fell into its usual channels, and bonand must excite our emulation with those abroad, give each calf about a quart in the morning, and nets and hats of genuine Leghorn plat soon found confraternity with worthy associates at home, the same quantity in the evening, and increase it their way into our markets. The Leghorn straw and call our attention to what remains to be ac- as the calf grows older. It requires very little being much slenderer than that of English growth, complished on this side the Atlantic. In the trouble to make them drink it. After the calves may be employed entire for the finest articles, on mean while we may congratulate ourselves on be- have had this diet for about a week or ten days, ing able to hold the anniversary of our patron- I tie up a bundle of hay, and put it in the middle of so splendid a collection of plants,—an estab- to eat. I also put a little of the meal (above lishment, which is the work of three generations mentioned) into a small trough for them, to eat of Leghorn plat of which a better house, which is the work of three generations mentioned) into a small trough for them, to eat coil of Leghorn plat of which a better house, in the number occasionally to which a better house, in the number occasionally to which a better house, in the number occasionally to which a better house, in the number occasionally to which a better house, in the number occasionally to which a better house, in the number occasionally to which a better house, in the number occasionally to which a better house, in the number occasionally to which a better house, in the number occasionally to which a better house, in the number occasionally to which a better house, in the number occasionally to which a better house, in the number occasionally to which a better house, in the number occasionally to which a better house, in the number occasionally to which a better house, in the number occasionally to which a better house, in the number occasional to the number occasional spirit in so interesting a spot as this, in the midst of the house, which they will by degrees, come of the same family, and which, by the number occasionally; which I find of great service to formed, admits of being joined by knitting the adand selection of its specimens, surpasses, every them. I keep them in this manner, till they are other in the United States; for the oldest, that of proper age to turn out to grass; before which, of the brothers Bartram, and the garden of Wil- they must be at least two months old. There-with the English plat; on account of which difliam Hamilton, in Philadelphia, were by no fore, the sooner I get them in the spring the bet-

About a quart of the aforesaid meal, mixed through a range of ninety thermometrical de- with three gallons of water, is sufficient for and depressions, and require, besides, a conside-

fully availed themselves, that they may be said sixty beasts within these four years; forty of time put an end to it as far as regards the finer to have made their garden the standard of the progress among us, of botanical knowledge, and agricultural improvements, both so mutually dead to be a trifle of expense.

I am gentlemen, your most humble servant, and actually is sent to Switzer way be actually in the same method calves may be reared to progression, naving the progression of the continuous and the progression of the conti

This account was deemed fully satisfactory, and the Gold Medal was accordingly adjudged to England, paying an import duty of 17 shillings Mr. Budd .- London Magazine.

and the fine arts, twenty to thirty thousand dollars.

test the success of the first year's labours of the both at home and abroad, are alike tributary to On the Manufacture of Straw and Grass Bonnets. 10.2

The conduct of the British government and

NEW MATERIAL FOR STRAW PLAT.

The large silver medal and twenty guineas, ticut, United States, for a new Material for Straw

and similar articles for female wear, manufactured of the fine straw grown for this purpose, and known in the market by the name of Leghorn plat, was almost entirely put a stop to. The consequence of this was, an extraordinary degree of encouragement to our domestic manufacture of plaited straw, and a proportional degree of ease and comfort hence derived, by the agricultural labourers of Bedfordshire, Hertfordshire, and Buckinghamshire, by the wives and children of whom this profitable occupation was straw, which had heretofore been used entire, and by more accurate selection of the straw itself. and more effectual methods of bleaching. At the conclusion, however, of the war, the trade of which account the plat is rendered more even, pliable, and durable, than that of equal fineness sewing them, as must necessarily be the case with the English plat: on account of which difference of construction, the Italian bonnets and hats are of the same uniform thickness, whereas, the English are an unpleasant alteration of ridges through a range of ninety thermometrical de- with three gamons of water, is sameled to grees, affords this spot incalculable advantages for twelve calves in the morning, and the same quantages for twelve calves in the morning, and the same quantages for twelve calves in the morning, and the same quantages for twelve calves in the morning, and the same quantages for twelve calves in the morning, and the same quantages for twelve calves in the morning, and the same quantages for twelve calves in the morning, and the same quantages for twelve calves in the morning, and the same quantages for twelve calves in the morning, and the same quantages for twelve calves in the morning, and the same quantages for twelve calves in the morning, and the same quantages for twelve calves in the morning, and the same quantages for twelve calves in the morning, and the same quantages for twelve calves in the morning, and the same quantages for twelve calves in the morning, and the same quantages for twelve calves in the morning and the same quantages for twelve calves in the morning and the same quantages for twelve calves in the morning and the same quantages for twelve calves in the morning and the same quantages for twelve calves in the morning and the same quantages for twelve calves in the morning and the same quantages for twelve calves in the morning and the same quantages for twelve calves in the morning and the same quantages for twelve calves in the morning and the same quantages for twelve calves in the morning and the same quantages for twelve calves in the morning and the same quantages for twelve calves in the morning and the same quantages for twelve calves in the morning and the same quantages for twelve calves in the morning and the same quantages for twelve calves in the morning and the same quantages for twelve calves in the morning and the same quantages for twelve calves in the morning and the same quantages for twelve calves in the morning and the same quantages for twelve calves in the morning and the same q ably on the English straw plat, and in a short

zerland, where it is platted, is then returned to per lb. and may after all, be sold at 25 per cent. cheaper than plat made in this country.

Such being the state of things the society re-York, in 1813. Our colleague the author of this last performance, which should obtain a place in Brunswick Times asserts, that there is in New from Miss Sophia Woodhouse, the daughter of a the library of every American lover of nature, has Jersey about sixty thousand acres of land belong-farmer residing at Weathersfield, in the State of left no department of its kingdom unexplored or ing to that state, which is covered with salt water, Connecticut, stating that she had manufactured unscrutinized; his unceasing labours and extensive contributions, already compose so large a The writer thinks that an acre of oysters judici- stems of a species of grass growing spontaneously collection of writings and specimens, that they ously planted and preserved from depredation, in that part of the United States, and popularly seem almost beyond the reach of memory. The would in three years produce to the value of from known by the name of Ticklemoth. The commuinication was accompanied by a bonnet of her matire grass. The bonnet being submitted to the the bonnet in a situation in which it will be permanures must be subjected to experiment, before inspection of the principal dealers in such arnetrated by the smoke; the bonnet is now finish- he can avail himself of the advantages which ticles, was declared by all of them to be superior ed by pressing, for which purpose, I have used they possess, before he can be certain of proeven to Leghorn in the fineness of the material only a common smoothing iron. The only cantion ducing any particular effect by their means. The and the beauty of its colour; and that the intro-necessary in this operation is, not to have the necessity of analysis to the farmer is evident from duction of the straw to this country either by importation or by growing it here, would probably SOPHIA WELLS. portation or by growing it here, would probably be of public advantage, by supplying a raw material superior to any other, and which probably may be manufactured to great advantage in those parts of Great Britain and Ireland where labour

The reward mentioned at the head of this article was, in consequence, voted to Miss Woodhouse, on conditions which should put the Society in possession of some seed of the grass, and also of the process employed by the candidate to bleach the straw. Both these conditions have been complied with; the seed received has been distributed during the summer of the pre-Ireland, and has germinated very successfully, both under cover and in the open air. In the latter situation it has thrown up a thick mat of long and fine herbage, but has not flowered, it is therefore probably perennial; and if it endures our Winters, will in all likelihood prove a valuable pasture grass.

The treatment of the stems for the purpose of manufacture, is thus described in the words of

Miss Woodhouse herself:

Weathersfield, (Conn.) Dec. 20, 1821.

I regret that the proper season for cutting the I had previously gathered, I transmit herewith least 1½ tons of hay. The weight of the seed is to the Society. Part of it is prepared for plaiting. Society as a specimen of the usual funds by considered as a specimen of the usual funds by the seed is the see fineness of the grass, as it has not had a straw, coarse or fine, selected from it.

I am able to give no account of the method of cultivation, having never known it cultivated in this country. It grows spontaneously and abundantly in our meadows. It is more common in and introduced clover.

of it has been preserved.

matured; that part only is used, which is between the upper joint and the top or panicle; them may be worked to advantage. Thus he Ditto ditto No. 2, \$1.87½—Ditto Old, No. 1, \$1.50—them may be worked to advantage. Thus he Ditto ditto No. 2, \$1.25—Shad, trimmed, \$6.50 on this I pour boiling water, and then dry it in will operate on sure grounds, and be prevented 75—Do. Unstanding of \$5.75—Ginseng, out of seal only of \$6.50 on the surface of the surface the Sun; this operation I repeat once or twice, or from engaging in expensive and unprofitable ununtil the leaves which sheath the stem come off, dertakings. I then bleach it, but for this purpose I have used | Chemistry will teach him also how to improve no other apparatus than what every farmer's the cultivated parts of his estate; and by transhouse furnishes. In the first place, I prepare porting and transposing the different soils, he some soap and water, in which I dissolve pearly will soon learn some method by which each of ash until it can be tasted; in this solution I moishis fields may be rendered more productive. ten the grass, and then set it in an upright position in the bottom of a cask; I then burn brimstone in the cask by means of a small heated ket-through them; by which means he will discover from \$30 to \$45—common and middling dull and tle or dish of coals, and close the cask at the top those proper for irrigation; a practice the value not much in market, with blankets so as to confine the smoke. This of which is sufficiently known to every good agfumigation I continue until the grass moistened riculturist. by the solution of pearl-ash, &c., becomes dry, which will require about two hours. During this operation, the kettle will generally require to be re-heated, or the coals to be replenished once or twice. The grass is now ready for plaiting. After this is performed, and the bonnet is sewed together, I fumigate it again with brimsone in the

TO THE EDITOR OF THE AMERICAN FARMER.

Dear Sir,

In my communication to you of the 28th ult. I hastily called the attention of the agriculturists magnesia. But, as the Earl of Dundonald has of our country, to the valuable properties of a description of turnip which I purchased last fall what are called sour soils, or such as contain under the denomination of the "White Norfolk." sulphate of iron, from the decomposition of mar-The facts as there set forth, can be attested by tial pyrites, as the magnesia will unite with the many of my neighbours and acquaintances, who acid of that salt and form sulphate of magnesia, had occasion to observe the crop in its various (Epsom salt,) which greatly promotes vegetation. stages. I will now only add, that the product there mentioned was from 51b. of seed—which of themistry will teach him when to use lime hot sent year to various persons in Great Britain and stages. I will now only add, that the product itself will prove beyond any doubt its value, if from the kiln, and when slacked; how to prosowed simply with a view to use the seed for mote the putrefactive process in his composts, crushing. It might be advantageously sowed and at what period to check it, so as to prevent

The mode I adopt is, to prepare the ground well, have it highly manured, and before the well, have it highly manured, and before the and and consequently, which to prefer in an harrowing, sow the seed acros the timothy, and and consequently, which to prefer in an harrowing, sow the seed acros the timothy, and and consequently, which to prefer in an harrowing, sow the seed acros the timothy, and and consequently, which to prefer in an harrowing, sow the seed acros the timothy, and and consequently, which to prefer in an harrowing, sow the seed acros the timothy, and and consequently, which to prefer in an harrowing, sow the seed acros the timothy, and and consequently, which to prefer in an harrowing the whole with a heavy harrow. The of soil. A knowledge of the chemical properties well, have it highly manured, and before the last ashes, alkaline salt, soap waste, sea water, &c. allows the timothy to shoot up handsomely, and furnish a good crop by the end of July or first and respectable."-Parke's Chemical Essays. grass had elapsed before I received the communi- week in Angust. I calculate on cutting from the cation from London. The small quantity which same ground that produced the turnip seed, at

Lexington, 24th July, 1824.

ON THE IMPORTANCE OF CHEMISTRY,

AS CONNECTED WITH AGRICULTURE.

Were I addressing myself to the father of a fields that have not been highly manured, but family, I would say, is your son born in opnthat are rather reduced in strength and richness lence,—is he an heir to an extensive domain; of soil; in a few fields it has been observed, that make him an analytical chemist, and you enable gypsum and manure have destroyed this grass him to appreciate the real value of his estate, and to turn every acre of it to the best account. I am able to procure but little of the seed. As Has he a barren tract of country, which has been it has never been sown in this country, very little unproductive from generation to generation; he will then carefully explore it for hidden trea-I have prepared it for manufacture in the following manner:—I have cut it in the fields from analysing the minerals which he discovers, he the time of its flowering until the seed is nearly will ascertain with facility and exactness what

nufacture, and a few dried specimens of the en-same manner as before, being careful to place the peat, the marle, the lime, and the other a knowledge of the circumstance, that some kind of lime is really injurious, and would render land which had been hitherto very productive, actual-

ly sterile.
I allude here to the magnesian limestone, which is common in many districts in England, particularly at Breedon in Leicestershire, where the calcareous earth contains 50 per cent. of remarked, such lime will be extremely useful on sulphate of iron, from the decomposition of mar-

with timothy, during any part of August or the the fertilizing particles becoming effete, and of little value. It will also teach him the difference in the properties of marle, lime, peat, wood agriculturist, and render his employment rational

> () ERROR —In the second column, page 137, last No. of the American Farmer—for lat canda, read laticanda.

THE FARMER.

BALTIMORE, FRIDAY, JULY 30, 1824.

PRICES OF COUNTRY PRODUCE - carefully collected every Thursday, for the American Farmer. By ROGERS & STMINGTON.

Flour, Howard St., \$5 50 wagon price—Do Susquehannah, none—Do. Wharf \$5 25-—Do Rye, \$2 a \$2 75—Corn Meal, per. barrel, \$2— Wheat, white, 98 to 103 cts-Ditto Red, 95 cts.-Corn, 34 cents-Ditto, white 33 cents-Rye, per bus. 41 cts-Oats, 25 cts.-B. E. Peas, none-White Beans, none-Whiskey, 28 cts-Apple Brandy, 35 cts-Peach do. \$1.—Herrings, No. 1, \$2 12\frac{1}{2} No. 2, \$1 871 -- Ditto Old, No. 1, \$1 50-season—Flax Seed, rough, 75 cents per bushel— Timothy, Do. ont of season—Hay, per ton, 810— Flax, 10 cts.—Candles, Mould, 12½ cts.—Soap, 7 cts.-Pork, Mess, \$15 50-Ditto Prime, \$12-Butter, 7 cts. to 14 cts.—Lard, 9 cts.—Bacon, 6 a 7 cts.—Leather, Best Sole, 24 to 27 cts.— Feathers, 35 cts.

CONTENTS OF THIS NUMBER.

CELEBRATION AT NEW YORK OF THE BIRTH-DAY OF LINNÆUS, 24th May, 1824 .- (Continued from our last No.)

Eulogium on Linnæus, by Dr. Akerly.

Society, to participate in the felicities of a day, Solomon was extensively acquainted with natural sessed by those who only glance over systematic set apart for a rural treat, a fete champetre in history, but his writings on the subject have been books. It is also possible for a person to be conwhich the young and the old, the gay and the lost in the lapse of ages. The greatness of Linnaus consisted in his en-time and the place are auspicious for the larged and comprehensive view of all the objects with arrangement, and such is the condition of those untutored observers, who, with much curiexercises with which you are about to be enter- of creation, generally embraced under the subject tained. The society hath drawn you from the of natural history; and he penetrated into the tions of nature for themselves, without having tained. The society hat drawn you from the of natural mistory, and he petertained to be decided in the control of the society of New York) that you may the better that no one hath excelled him in these investigations. The application and extent of natural rounding country, and the delightful village of history will be best understood by contrast. rounding country, and the delightful village of history will be best understood by contrast.

Flushing. Here you will be refreshed with the vernal gale gently wafted over the flowers of May, vernment of man and his various changes and of human knowledge, it is necessary, that corwhich have expanded into fragrance from the states of existence: Natural History of all other rect general views, and an acquaintance with warmth of an approaching sun and the genial animals and things which tend to the welfare of harticular subjects should be united in the same showers of April. In the language of the Aborimankind. The one relates to man only: the other person. These qualifications were eminently gires, this then is the season of blossoms. Here to every thing which administers to his comfort, combined in the subject of our eulogium. you will see trees and shrubs and plants, putting Civil history teaches us the character of our own In zoology, or the natural history of animals, forth flowers and foliage abounding in variety, species and the relation we bear to other human and in botany, or the history of the vegetable robbie establishment, (Mr. Wm. Prince,) we are extensive field and makes us acquainted with all cause he is in all respects perfect, but because his lected and exposed to the admiring gaze of the beholder. Here the young and the gay may rejoice amidst the treasures of Flora, while the aged and the serious will contemplate the benig-disposes in systematic order all that has life and some respects, his leththyology, or history of fishes nity of the Creator, in providing so much for the organization. He attempted also to arrange in enjoyment of his creatures.

Because it is the anniversary of the hirth-day of and Bergman who was his cotemporary demon-been made without destroying the merit of the

name will not be soon forgotten.

inanimate objects, it has reference to magnitude; him from making a thorough investigation of the when to intellect, it relates to the capacity of the subject of crystallography, which has since been than a narrator at large, yet he was not deficient mind to conceive, to arrange, and to execute great so ably developed by the Abbe Hauy. His at in the necessary qualifications to produce correct undertakings. In this sense of the word, Linnatempt however, to found a system upon the cryst-descriptions. The Count de Buffon, who was his us was a great man. His mind was capable of alline forms of minerals, is a proof that his cotemporary, despised system, but is celebrated conceiving, arranging, and executing. He did penetrating mind discovered something peculiar as the entertaining and elegant model of descripconceive, arrange, and execute a work of the in their crystals, which by the subsequent investing, a quality which also eminently begreatest magnitude; and none have excelled him tigations of another great man, hath since been longed to Pennant. The latter, however, genein the labours he performed. This is the anni brought to light. versary of his birth-day; and it is one of the agreeable events of my life, that, on this occasion, investigated all the subjects of natural history to establish one upon the sagacity of animals in a it hath fallen to my lot to be his eulogist.

ness of its conceptions. The Illiad and the Odys- but as a whole, his plan of arrangement, his sys-system of botany, particularly distinguished as sey of Homer, give evidence of the greatness of tem, is the most perfect, and he must be consistent executal system, contains twenty-four classes, their author. The Æneid of Virgil, will convey dered as the greatest naturalist that the world has and these classes are also subdivided into orders, to future generations the grandeur of his conceptions, and the greatness of his mind: his fame Natural history consists of two parts, arrange-In the latter, our Franklin induced the thunder harmony which prevail throughout. from the clouds, and turned it away innocuous, the age. Solomon was a great man, not so much in tracing the resemblance between natural ob-71st year of his age, leaving, in his works, a le-Vol. 6.—20.

trees, from the cedar tree that is in Lebanon even contrary, description limits itself to the narrow unto the hyssop that springeth nut of the wall: confines of a single thing. It is possible for a

indebted for the liberty of celebrating the day in other objects of creation whether animate or in-system is preferable as a body to that of any other his garden, where the beauties of nature are col animate. In these numerous subjects did Linna animate and inorganic matter by producing a sys-But why, it may be asked, are we assembled tem of mineralogy founded upon the crystalline the Swedish naturalist. In botany too, the natural on this day, (24th May) in preference to another? figures of bodies. In this, however, he failed, orders of Jussieu, and other innovations, have a great man, whose memory is revered, and whose strated that a true knowledge of minerals was Linnaan system, which, to those who have exonly to be obtained by means of chemistry. The Greatness is a relative term: when applied to multiplicity of the pursuits of Linnaus prevented the mind that conceived it.

more thoroughly, and elucidated them more cor- descending series from man. There are numerous methods of exercising the rectly than any preceding or succeeding author.

will survive the frail monument which covers his ment and description. Arrangement is useful to tion may be easily examined by the student of remains; and Virgil will be known long after his assist the memory, by grouping together such ob-nature, who must be led to admire the wisdom tomb shall be overrun with weeds. Demosthenes jects as have natural and resembling features, and and design of the Supreme Being; and instead of and Cicero were great in the Forum, while Alex-ander and Casar were great in the field of battle. This systematic arrangement introduces light to Greatness of mind hath been displayed in peace the subject, and enables the investigator of nature, unite with Thompson in strains of devotion, and and in war, in the cabinet and in the field, by land to see them in their proper places and relations, declare, and by sea, as well as in the arts and sciences .- and thus to form a just idea of the symmetry and

Description belongs to individual objects or (Eripuit colo fulmen.) Our late and lamented particular species, and is engaged in the detail of the great man to whom we are indected for fellow citizen, Robert Fulton, executed the great those qualities which belong severally to each, this system of nature, and many other works on ness of his conceptions, by applying the power of and where y every one is distinguished from natural history, was a native of Sweden. He was steam to the propulsion of vessels, and his name another. Description is therefore the counterpart born in 1707, in the village of Rashoolt, in the will descend to posterity with the great men of to arrangement, inasmuch as the latter is engaged province of Souland; and died in 1778, in the

from the fact of his being a sovereign, as from jects; and description is employed in pointing out his superior wisdom and extensive knowledge. their differences. Arrangement takes a wide and It is recorded in holy writ, that "He spake of general view of the whole subject, while on the Eulogium on Linnæus, by Dr. Akerly.

Ladies and Gentlemen—You are assembled on the present occasion by invitation of the Linnæan 33.) From this record, it would appear, that versant in description, without being acquainted osity and good opportunities, observe the produc-

> naturalist. Brisson has attempted to improve his -and Professor Fabricius, to arrange the insect tribes, in a manner widely different from that of amined it, gives evidence of the greatness of

rally adhered to the Linnxan arrangement, while

Linnaus divided animals into six classes, and understanding, and there are various ways in On some particular subjects, there have been subdivided the classes into orders, genera, and which the human mind can develope the great-since his decease, additions and improvements; species. He did the same with plants, and his

genera, and species.

By the aid of such a system, the works of crea-

"These are thy works, Almighty Father, Parent of Good."

tions.

you see depicted in the bust before you; and the Linnæan Society have here, and thus determined to celebrate his birth-day, and hold him up to the selves here to-day. admiration of our countrymen, and the respect of the civilized world.

Dr. Mitchill's Communication to the New York Branch of the Linnæan Society.

MR. PRESIDENT-The arrival a few days ago of a collection of Helvetic and Italian plants from Berne in Switzerland, through my correspondent the famous Brunner, and my fellow citizen, the enterprising Wagner, enables me to present you some of the vegetable productions of those coun tries. The whole herbarium amounting to several hundreds of species, is here on the table; but instead of opening and displaying them all to your view, a task of days and a study for months, l shall enumerate a moderate number that are re markable for their localities, and show a few that are memorable for their association, or some other circumstance.

Berne, you recollect, is the name of a city and a Canton, situated among or near the highest mountains in Europe; and associated with that distinguished region, the Canton de Vaud. Within its precincts, the Institute of Pestalozzi at Buckse'e, attempted an improved organization of primary schools; and the establishment of Fellenberg at Hofwyl, taught the method of deriving from the soil, the greatest amount of produce with the smallest expense, time and labour. From the terrace of the Cathedral, the stupen-

dons Alps arrest the eye On a clear evening, they mountains, craggy rocks, gloomy forests, verdant meads, and the chequered works of agriculture.

I shall suppose we are making excursions hence to several places; and along the banks of torrents, road side, a furfilish grass; and from an enclosure, the famous Bear-grupe; and gather from their respective stations around, the picturesque anemone; the mountain-cress; and the deep blue linaria; while the Bartsia, the Arabis, and the ed for this exhibition.

The ravines and glens of the Vallais, as visited, quet for a similar purpose.

Mount Sempronius sends from his frigid summit, the hardy I.uzula, and from his shaggy sides, the yellow resedu, the swarthy cytisus, the hairy fern, and a number of his verdant occu-

pants.

The Col de Balme begs you to look at his l'avourable notice of their Statice.

Who has not heard of the elevated and towring ridge of the Great Saint Bernard? But who, until one of Trichodium, show that he supports grass es, plants of the utmost importance to man and

gacy of inestimable value to succeeding genera- July, the anniversary of fredonian independence; Ons.

Such was the illustrious man, whose likeness ble, comes skipping to you from the Col des Fours, it was, that he thereby might gratify his desire to Such was the illustrious man, whose likeness ble, comes skipping to you from the Col des Fours, it was, that he thereby might gratify his desire to such as the line to the likeness ble, comes skipping to you from the Col des Fours, it was, that he thereby might gratify his desire to such as the likeness ble, comes skipping to you from the Col des Fours, it was, that he thereby might gratify his desire to such as the likeness ble, comes skipping to you from the Col des Fours, it was, that he thereby might gratify his desire to their connections on Mount Jura, to show them-straint. He studied in Tubingen, under Duver-

ropean land? His fearful and difficult elevation at Basle mathematics under Bernouilla. Here, becomes the magnitude of Haller's character, or

as of the imposing number, fine condition, and have sent their Artemosia, their Celtis, and their orderly distribution of the arms and warlike tation of young men, who aspire to I terary, pro-Centaury, to grace the present festival, and as stores. They show with exultation the statue of fessional, and scientific glory, than most of the these were not rare, numerous or beautiful William Tell, who with an arrow, is reported examples the world affords." enough, the shartium, the ononis, the Delphinium, to have shot from the top of his son's head the ap and the Veronica associate themselves into a bou- ple placed there by Governor Grisler, and by that from the Alps; more interesting is the exhibition

"Haller was born in this city, during the year The accounts of his display of genius, and aptitude to acquire knowledge, are as remarkable as perhaps any upon record. Before five years of age, he was accustomed to write down all the new words he had heard during the day. Soon itter, he formed for his own use, rules in gram mar, arithmetic, and other sciences, and at nine had composed for the same purpose a Greek and now, ever knew that he furnished liberal and Hebrew Lexicon, a Chaldean Grammar, and a clegant supplies to a "fete champetre et botani- Historical Dictionary, from Bayle and Moreri, Historical Dictionary, from Bayle and Moreri, que." Two species of Carex, two of Juneus, and containing more than two thousand lives. At ten he wrote a satire in Latin verse against his tutor, beast; and a Senecio, a Sisymbrium and a Pedithe early commenced the practice, which he continued through lile, of always reading with a pen
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t a man of provoking harshness and severity; and cularis, prove that he sustains other plants remarkable for their foliage and flowers.

Nor are we yet at the end of our trips. Here you see the Nardus and the Gnaphalium gather of it. This was the foundation of his immense of it. This was the foundation of his immense variegated thistle, I show you; and from the

"Having after the death of his father decided 1822. This charming little umbilliferous vegeta- on the medical profession, the reason he gave for noy and Camerarius; in Leyden under Boer-One expedition more and I shall have done. | haave, Albinus and Ruysch; in England he was How can I be silent of Mount Blanc, who elevates noticed by Sloane, Douglas, and Cheselden; in his front nearer to the skies than any other Eu- France he studied anatomy under Le Dran; and has been approached by a Macneven and a Van where the Bauhins, John and Caspar had resided, Rensselaer. Beyond the narratives of these and and where Stahalin lived, he projected the plan other intrepid and intelligent visitors, something of his great work on the Botany of Switzerland. remains to be told. More than a hundred plants To collect materials for which, he between 1728 from Chevoz and Ferret, two of his most distin- and 1731, traversed in various excursons the guished vallies, are now before you. They may mountainous tracts of Vallais, Savoy and Berne. be examined without fatigue or cost, without These he published at Gottingen, in 1742, under danger from precipitation into icy chasms, or from the title of the Enumeratio methodica Sterpium interment under snowy avalanches.—Nymphs of Helveticarum indigenarum, in a large folio ve-Flora! or in other words, lovers of Botany! ex-lume, with a sublime frontispiece, and a dedicaamine, (as the politicians say) what the budget tion to Frederick, Prince of Wales. He did not contains. Take under your observance, the ar-ticle or items one by one, and report from a fair naturalist only; they roused in him the spirit of sample of a part, the opinion you entertain of the poetry. His verses on "the Alps," and several whole. From this ground, the anthericum, the other compositions written in his twenty-first uvularia, the antirrhinum, the ranunculus, the year, exalted his name high in the ranks of Geranthyllis, the osmondu, the primula or primrose, man literature. He is considered as one of the and the astragalus, appear as a select committee, first who proved to the Germans the richness, authorized to represent the rest. Here they all sublimity and harmony of their poetical language. are—I meditate a pause—but the arhthous liver Some of his publications on botany and anatomy, swort, and the figmy willow, seize me by the having gained him considerable and merited reskirt, and command me to listen. Their embo-putation abroad, King George II. of England, indied spirits, though unseen by you, are clothed vited him to the Professorship of Botany, Anatoin human forms. What is your will say I, cryping and Surgery in the University of Gottingen, togamic and phanerogamous creatures, that you in his Electorate of Hanover. There his career thus interrupt me in the face of this respectable was marked by industry, ability, usefulness, and and fashionable company? They utter, (or I am renown. After seventeen years service, in that so rapt, that as far as I can comprehend their capacity, he returned to Berne, where he became appear with their utmost magnificence and splenmeaning, I seem to hear them utter these words,) a magistrate, a member of the Council of two
dour. The milder scenery consists of romantic
"say something, director of the destinies, that "say something, director of the destinies, that hundred, a superintendent of the sait-works; and was employed in various situations, academic, you shall be frowned upon by posterity; inasmuch forensic, political and economical. His health as yo neglect this illustrious man, your succes and resources held out until the year 1777, when sors shall cover you with oblivion." Mercy on he died at the age of 68, leaving the fame of one and resources held out until the year 1777, when I pick up the changeable saxifrage; from the me! answer I, as I wish to be remembered, let of the best informed men in Europe. His acme remember others;" and thus I vent, like an quaintance with books was wonderful; his memo-impromptuary, my recollections and feelings:— ry prodigious. The writings and compilations he "In speaking of Berne, I should be inexcusable has left, are rich and honourable monuments of if I omitted the name of Albert Haller, one of its his extraordinary diligence, acquirements and linaria; while the Bartsia, the Arabis, and the most distinguished citizens, and one of the most il- talents. But I must desist, as I am only mention-ophrys invite cropping, that they may be embalm- lustrious men of his age. The Bernese are prouding him incidentally, and not writing his life. of the trophies contained in their arsenal, as well Yet, if I should make an additional remark, it would be that Haller is more worthy of the imi-

> Charming is the prospect of Italy when viewed means saved his life; and by the same act laid it makes from the nearer and humbler Appenines, the foundation of the Helvetic revolution.
>
> Piedmont, fertile in plants, offers you as speci-Piedmont, fertile in plants, offers you as speci-mens of her ample and diversified herbarium, the saxifrage, and the Sysimbryum. They invite your attention to the south.

> > Let me beg your indulgence, while I pluck a few flowers, as I travel along. See here the elegant gnaphalium stachas, from the mountains; the pretty dianthus atrorubens, or purple hink, which grew by its side; and the neat achillea ageratu, or single-stemmed milfoil, plucked from the same neighbourhood. Observe, I entreat you, how beautiful they all appear in death!

> > Tuscany is under an alluring cultivation. You shall be gratified by a sight of a few of its productions as we go. The Thrasymene lake offers

dwarfish wheat, of which the beautiful damsels in pronouncing that to be the towering vetch. The most inviting and desirable manner? I will not the contiguous cottages manufacture the tar-famed cynosyrus with an echinated spike, now meets my suppose, that any person present can be unmoved, and highly prized bounets of straw. I say nothing eye; and the evergreen rose, a thick occupant of the society of Georgophilists, as they are all the ground, tempts me to offer rudeness to its derivative from the spot where his mortal remains were deposited. and correspondence; nor of the celebrated galleand correspondence; nor of the celebrated galle-ries filled with the rarities and elegancies of art, that we have surveyed the volcano of Vesuvius, breath or two more to classic ground. On landby the Medicean family that gave a Queen to the Isle of Capræa, the ruins of Baiæ, the Grotto ing at Ostia, where the Tiber discharges its France, and a Pope to the Western Church.—del Cano, and tasted the famous wine called floods into the Tyrrhene sea, the cyheraceous Yet I, perhaps, ought to show the fossil tooth of lachryma christi; what then? Why, I beseech grasses attract the eye; while along the shores an African elephant, dug up in this region; a you to see what the common herd of travellers appear the holygonum, the caucalis, and the relic, as is rationally conjectured, of the troop, overlook, the fumaria from its castle—and the with which the then victorious Hannibal, after golden grass and conyza saxatilis as tenants of its eye, and a little further, the unfading flower; crossing the Rione and the Po, was marching into walls. While her sea coast affords us for this and yet further up the bank, the scurvy grass. the heart of Italy.

ly as samples of that vegetable growth, which

to attract him. Behold here the nettle, which luxurysprings up among the rubbish; the coronilla your observance as natives of the "Eternal City." It is a comfort, that where animals die, and especially, man abandons or perishes, vehetables ger minate with wild and native luxuriance. have before you the silvery worm-wood; a bladed grass, and an aspiring lotas; the first from the sight.

If this vast ruin was anciently an amphitheatre,

where the people assembled to behold the combats of gladiators, wild beasts, and other exhibi tions; or, if it was a circus, where plays and other

should now be a soil for plants!

The styrax officinalis, or medicinal storax, be know from its leaves and blossoms, and is indige the nervous system; and this flowering branch of the Æneid, minerva's olive, once flourished at Albano, though the tree was originally imported from Egypt -Its immature fruit, affords us tasteful preserves, use in food and medicine.

Let us take the fashionable excursion to Tivoli, and observe what the fields produce. The hawk weed, the gallic filago, the Italian mellot, the bell flowered lint, the slender conyza, and the thorny spurge, all join to court your regard; startan elegant portion of the present display.

Let us next suppose ourselves at Naples, and day's entertainment, the maritime pine; the Nea-You need not be told, that, in ancient days, this

the learned society for promoting arts and sciences, existing there, has regarded with botanical bay in a soft air and a delightful location. These place, I mean an island in the Tiber, where. 291 exactness. Though travellers, in general, discourse, when having much the aspect of our candleberry-myr at Rome, of its edifices, and ruins; of its antiqui tle, and the latter wearing the near aspect of the the form of a serpent, landed in Italy. The senate ties, and the productions of modern art and genius, heather-here are fragments of the ruins from of Rome, during the prevalence of a plague, after

Pausilippo, where the tomb of the Poet Virgil is ceased; and on the presumption that he had chogrowing in milder soils; the germander, of the Pausilippo, where the tomb of the Poet Virgil is ceased; and on the presumption that he had chodry grounds. The asyrie and the nigello, solicit shown. It is better understood to be on the road sen this spot for his abode, a temple was erected to Puteoli; near it is the entry into the famous to him at the public expense. grotto. Of this, Mr. Addison says, that if a man would form to himself a just idea of the place, he must fancy a vast rock undermined from one end to the other, and a highway running through it, about as long and as broad as the mail in St. James' ruins, the second from uncultivated spots, and Park The common people of Naples believe the third from the upland woods; and here gaze, this subterranean passage to have been made by while I show the specimen of the bird foot, magic, and that Virgil was the magician; who is from the Colisseum itself! which also has furin greater repute for having made the grotto than
nished the Hare-tail, and flax, now offered to your
the Eneid There is something highly congenial to moral sentiment, in the association produced by beholding the relics or other memorials of distant or departed excellence. Let cold critics say what they please, this piece of rough cement, brings interesting ideas to mind. Who that sees shows were held, for the entertainment of the it, is unwilling to remember that he wrote his Buthronging multitudes; what alteration has taken colics in three years, at Mantaa or Cremona, by place, that its frequented and trodden arena the persuasion of Asimus Pollio; that the Georgics cost him seven years of exertion at Naples; and that his great epic poem was completed in eleven fore you, grew at Tibur, a beautiful shrub, as you years, partly in Sicily, and partly in Campania? who will be loth to recollect the remark of Cice nous in Palestine; it is one of the most agreeable of the odoriferous resins, fit to be exhibited to the of the odoriferous resins, fit to be exhibited to the Rome?" or the distich of Propertius, on perusing ture of platted straw, and to check age at the of the odoriferous resins, fit to be exhibited to the Rome?" or the distich of Propertius, on perusing ture of platted straw, and to check age at the odoriferous resins, fit to be exhibited to the Rome?" or the distich of Propertius, on perusing the considered, "Magnæ Spes altera same time the importation of the raw material, the large straw is a same time the importation of the raw material, the large straw is a same time the importation of the raw material, the large straw is a same time the importation of the raw material, the large straw is a same time the importation of the raw material, the large straw is a same time the importation of the raw material, the large straw is a same time the importation of the raw material, the large straw is a same time the importation of the raw material, the large straw is a same time the importation of the raw material, the large straw is a same time the importation of the raw material, the large straw is a same time the importation of the raw material, the large straw is a same time the importation of the raw material, the large straw is a same time the importation of the raw material, the large straw is a same time the importation of the raw material, the large straw is a same time the importation of the raw material, the large straw is a same time the importation of the raw material, the large straw is a same time the importation of the raw material, the large straw is a same time the importation of the raw material is a same time the importation of the raw material is a same time the importation of the raw material is a same time the importation of the raw material is a same time the importation of the raw material is a same time the importation of the raw material is a same time the raw material is a same time the ra ro, on hearing the ecloques recited, that the au-

Cedite Romani scriptores, cedite Graii Nescio quid majus nascitur lliade.

or the occurrence that Octavia, the sister of Anand from the ripe, is procured oil, of invaluable gustus, on hearing the recital of the verses in the sixth book, containing the words

Tu Marcellus, eris, &c.

allusion to her beloved, promising and dereased its manufacture in this country, but not succeedson, nepnew to Octavius, and designed by him to ing to his wish he placed the straw in the hands ing, as it were, from their respective situations and on reviving, rewarded hun with ten sestences himself, the art of platting according to the Legfor the purpose of being associated with the snow for every verse of that description? Can it be a horn method, he then taught it to other persons drop, and the lucerne, that in like manner, leap matter of indifference, to know that as he was with such success, that he has now above seventy from their stations at Tibur, to assist in forming making a journey to Greece and Asia, he met the people, women and children, constantly employ-Emperor at Athens, and was induced to re-urn, ed in the manufacture. For these spirited and If such is the treat this excursion affords, may with Casar, his patron and friend, to Italy? that successful exertions, the society conferred on Mr. it not be expected, that a ride over the campagnia having been taken sick at Megara, he notwith Parry the honorary medal above mentioned, on di Roma, will afford something hesides crops of standing came by sea to Brundusium, where, in a condition of his disclosing to the society the parameter and heads of swine, within the region of the words of t wheat and herds of swine, within the region of few days he breathed his list, in the fifty-second tirulars of the mode of plaiting according to the the Malaria? Oyes; if I mistake not, I see there year of his age? and that, pursuant to his own Italian method. This they did in order that by the thorny palurus frequent enough. Is not that particular request, his bones were conveyed to giving the same a place in their Transactions,

banks of the Arno is derived the brilliant but the dotted lavatere? I cannot be deceived in Naples, where he had lived a long time in the where his mortal remains were deposited.

As we wask along the shore of the sea at Leg-politon onion, is furnished by the upland; and horn, let us notice the bull rush, the duplane, the clover, and the sage, and the scorphurus, sips. Though now neglected, a medal is precrithmum, the sparge, and marsh-rosemary, that decorate our path. These I display to you mere-proach. stout piers broke the fury of the waves, and a Permit me to offer you two plants from Monte pharos or light-house directed mariners the and Junius were consuls, the God Æsculapius, in the naturalist has, nevertheless, many objects these former seats of Roman opulence and consulting the Sybilline oracles, had despatched ten commissioners to fetch him from Epidaurus. But we must return, and survey the scenery of On his arrival, the epidemic distemper instantly

(To be concluded in our next.)

On the Manufacture of Straw and Grass Bon-nets.-No. 3.

The following extract from the 40th vol. of the Transactions of the Society of Arts of London. afford additional proofs of the vigilance of the

> A Friend to Agriculture, Commerce, and Manufactures.

LEGHORN PLAT.

The Large Silver Medal was this Session given to Mr. John Parry, Little Mitchell Street, Bartholomew Square, for the Manufacture of Leghorn Plat from Straw imported from Italy .-Specimens of the Straw and of the Plat made therefrom, have been placed in the Society's Repository.

For the protection of our domestic manufacpose than that grown in England,) the legislature has imposed the duty of £3 per doz. on imported hats, a lighter duty of 17 shillings a lb. on the plat not made up, and a st ll smaller one of 5 per cent. ad valorem on the straw. In consequence of this, Mr. Bigg, a straw manufacturer, imported some time ago a considerable quantity of prepared was so deeply touched and affected with their straw from Leghorn, with a view of attempting be his successor, that sh actually fainted away? of Mr. Parry Mr. Parry began by acquiring,

once healthful and domestic, and particularly two loops of straw, whereas, at t and v it is co-valuable as accustoming children to habits of invered only by a single loop. dustry without the imposition of any hurtful degree of bodily labour.

The following is Mr. Parry's communication: -

> Mitchell Street, Bartholomew Square, March 18th, 1822.

SIR :- Agreeably with the conditions of the Society of Arts as contained in your letter of the 22nd ult. I have sent a sample of the Italian straw as imported; and a specimen of the same made into plat in Great Britain. And as a proof that such plat will answer for the same purpose as the foreign productions, I have sent another piece equally as well knitted together, and in the same manner as such articles are made, as are commonly described by 'Leghorn hats.'

The process is to cut the ears, off the straw with a knife, and to size (sort or select) them as to length and thickness. To cut off a sufficient proportion of the red and white ends so as to preserve as much as possible, an uniformity of colour. To take thirteen straws and tie them together at one end, then to divide them into a right angle, placing six straws on the left side, and thread. It is first inserted under the straw 1 seven on the right. The seventh or outermost on the right is to be turned down by the finger and thumb of the right hand, and brought up un der two straws, over two, and under two, and seven straws will then be placed on the left side of the angle. Then the finger and thumb of the left hand is to turn down the seventh, or outermost straw on the left side, and to bring it up under two straws, over two, and under two, and seven straws will again be placed on the right side of the angle, and so on alternately, doubling and platting the outermost seventh straw from side to side, until it becomes too short to cross over so as to double on the other side of the angle:then to take another straw, and put it under the short end, at the point of the angle (middle of the plat;) and by another straw coming under and over the joined one, from both sides of the angle in the operation of platting, it will become lastened; the short end being then left out underneath the plat, and the newly fastened straw the short one was directed; and so continue, re-peating the joining, doubling and platting, until completed. See fig. 5.

The short ends which are left in the act of

joining are to be cut off with scissors, and the article will be then the same as the specimen here-

with sent for the use of the public.

I am, Sir, &c. &c. &c.
JOHN PARRY.

A. Aiken, Esq., Sec., &c. &c.

Mr. Parry's communication relates merely to the manufacture of straw into plat, but, as the method of knitting or sewing the straw together, according to the Italian mode, is not generally known, the Society instituted an inquiry into this particular.

This part of the business is done principally by Italian jewesses resident in London, and is de-

scribed in the following figures.

Fig. 1 is a piece of plat of twice the real size, showing the way in which the plat itself is form

Fig. 2 presents two portions of plat four times the real size, partly knitted together, showing how the edges of one, fold over the edges of the other,

interested in obtaining employment for the poor ed line that characterizes the plat itself, so that x y z (x x being repeated,) with the thread in the agricultural districts, by contributing to the the junction is imperceptible on either side; the passing within them; the loops are really adiarevival and improvement of a manufacture at uniting thread being in every part covered by cent but are represented as seperated on a con-

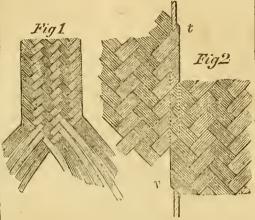


Fig. 3 shows two pieces that are knitted, but have been subsequently drawn a little asunder, in order to show more clearly the passage of the then under straws 2, 3, 4, &c. till it comes out at the top of 10.

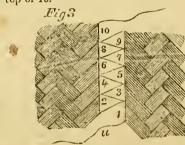
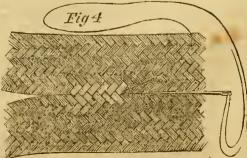
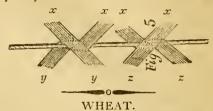


Fig. 4 shows two pieces of plat of the real size with the needle in the act of passing through the folds in the edge of each piece alternately, as above described. The needle is pushed on two or three folds at once, till nearly the whole of it is concealed in the folds, it is then drawn through taking its place on that side of the angle to which in the manner of a bookin, leaving its place to be taken by the thread. It the edges are not thrust sufficiently close, the needle will miss some of the a piece of twenty yards long (more or less,) is folds, and the junction though not visibly imperfect is really so. Sometimes, for expedition, only every other fold is threaded, which, however, is an injury to the work, as in this case it requires coarser thread to make the junction secure, and therefore, small elevated lines appear on the surface of the plat, indicating the place of the thread and injuring the evenness of its surface, a defect which detracts from its beauty, and consequently from its value.



they might communicate them generally to those and produce a continuation of the same interrupt-| Fig. 5 shows the relative position of three loops



[The great value of this grain, constituting, as it does, the staple of so large a portion of the agriculturists of the United States, and the material of one of our most important exports, will justify the space occupied by the following papers. It is important, as well to the natural history, of all plants, trees, grasses, grains, &c. as to the cause of justice in respect to the individuals concerned, that a correct account be preserved of the importation of such things into our country.-The introduction of a single fruit into a country, has justly immortalized the name of the individual by whose agency and public spirit it has been done, and so far as the American Farmer may hereafter be relied on as authority in such eases, it is our duty to record all material facts as we receive them, although they may sometimes prove uninteresting to the mere practical reader .- Ed. Am. Far.

TO THE EDITOR OF THE AMERICAN FARMER.

Auburn, Cayuga County, N. Y. June 29th, 1824.

SIR: - About four weeks since I accidentally saw at the house of an acquaintance, the first number of the sixth vol. of the "American Farmer," of March 26, 1824, edited by you, containing an address of Hugh Holmes, President of the Agricultural Society of the Valley, (I presume in Virginia,) delivered on the 6th of March last.

In that address Mr. Holmes refers to a communication received from Elkanah Watson, Esq. formerly of Berkshire, in Massachusetts, but now of the city of Albany in this state, in which Mr. Watson alludes to a wheat imported by him from Spain in 1818, called "hard white wheat," and which he says " is now successfully cultivated in some of the western counties of the State of New-York." In Mr. Watson's communication to Mr. Holmes he did not intend to state any facts but such as he believed to be true, but he has either deceived himself or been deceived by others-no wheat has ever been successfully cultivated in this part of the state, from samples imported by Mr. Watson-experiments have been made upon the whole, and all have proved to be inferior .-But there is a wheat called the "white flint wheat," that was introduced into this country in 1812, from the State of Pennsylvania, which is considered by our farmers as a great aquisition, and is now cultivated largely in this and the neigh. bouring counties .- It succeeds well in inferior soil; is not affected by the rust; and in a great measure resists the Hessian Fly, though not enarely-nor does any variety of the triticum do so ffectually

I send you a small sample of the white flint, any quantity of which might be obtained from this county for seed the ensuing fall by the way of the Canal. If your people wish to try the experiment, they might write to Jesse Buel, Esq. of Albany, and I am sure it would give him great

pleasure to render good to his agricultural brethren in any part of the world-and it would give me great delight to be in any manner useful to my native State, (Maryland.)

I will send by the mail that takes this forward to you two papers containing some statements relating to this wheat. Yours sincerely

J. L. RICHARDSON.

From the Cayuga Republican.

The following letter was sent us by Ira Hopkins,

may be of service to the public:

Mr. SKINNER,

Sir:-I am frequently asked about the quality of the new White Flint Wheat, which has been cultivated in this county for two or three years past, with great success. I have this year about five acres of it, which looks uncommonly well; I think from appearance, it will yield about one

To satisfy the public anxiety on this subject, I have thought best to send you the best account of it I can give, as it will prove a great benefit to our country, for two reasons: the first is, that it is proof against the Hessian Fly. Although the straw is uncommonly soft, yet it is a singular fact, that it is solid five or six inches above the ground or root, where the fly lodges in other other kinds of wheat were injured, and some entirely destroyed. The white flint wheat grows remarkably rank, and in most soils three pecks of seed is sufficient for the acre; it yields from 25 to 40 bushels per acre, and weighs from 60 to 64 pounds to the bushel; it is apt to lodge in heavy other wheat generally does, it ripens sooner.

Various reports have been circulated as to the origin of this wheat; I have taken some pains in til he obtained a sample for seed in 1815. this and the adjoining counties, to come at the This community are indebted to Mr. Henry truth. I find a new wheat was discovered in the Sebolt, late of Scipio, for all the benefits derived neighbourhood of Rome, a few years ago, which from the introduction of this now highly prized resists the fly; it is commonly called the swamp wheat; it has a white herry, and the stalk is solid, ble, obscure German, from the state of Pennsyland not so soft as the wheat in Cayuga Co. and on vania, but a man of great personal worth, and comparing the berry is not as white nor as heavy as the flint wheat. I have ascertained to my satisfaction, that our county is indebted to Elkanah Watson, Esq. the great friend of agriculture, and and left with us a number of kinds of wheat which it was said he imported from Spain, which was farm in Scipio, that fall. In 1815, Mr. Coe product, creeps under ground, or on the surface of the soil, doubt from this fact, that this wheat is one of the and has continued to cultivate the same kind of and puts forth at its joints perpendicular and son attended our agricultural society, at Auburn, kinds he left with us, and one of the 17 varieties mentioned in the back of Mr. Watson's book, and which he imported from the south of Spain at ed patriot and Farmer's friend.

IRA HOPKINS.

Brutus, May 14, 1824.

The subscriber having cultivated the above wheat, and being acquainted with the main facts stated above, concurs in the opinion expressed relative to the said wheat; and from further obser-

B. TUTTLE.

Auburn, May 18, 1824.

guished agriculturist; and if the sort of wheat rumour might have led me to his conclusions, but evinced by two circumstances. It is preferred by

ing its origin and its growth in this country, him. must be interesting to our agricultural readers.-Ed. Reft.

Auburn, June. 8th, 1824.

JOHN H. BEACH, Esq.

Dear Sir-In answer to your note of this mornremarkably well.

dern introduction into this country. Mr. Jehiel those in common use, and he has not since re-Clark, a very intelligent agriculturist of this vi-newed the experiment. The information of the cinity, has assured me, that it was cultivated on time Mr. Sebolt introduced this wheat, I received wheat. There were several small pieces in my has assired me, that it was contributed to the Mr. Solver, near Newburgh, forty-five from one of his children, now living in Spring-neighbourhood last season, and not one of them years ago. Mr. Henry G. Deshong, a highly report, which is confirmed by Mr. Nutt, formerly were injured by the fly, when many fields of the spectable farmer near Levana, in this county, has a neighbour of Mr. S. Yours. told me that he saw it cultivated in the state of New-Jersey, about two miles east of the Delaware River, near East Town, thirty seven years since; and Mr. Joel Coe, now of Springport, a farmer of known worth and integrity, has assured me that he cultivated the same kind of wheat in storms, but the berry does not spoil or sprout, as the state of Connecticut, in the years 1777 and 1778; and that in 1779 he removed to the state of New-Jersey, and never saw the wheat again, un-

variety of white wheat. Mr. Sebolt was an humconsiderable enterprise. In the summer of 1812 he went to the city of Washington to procure a and has continued to cultivate the same kind of and puts forth at its joints perpendicular and wheat to the present time, and on several ac-fibrous radicles. The shoots are numerous, erect, counts prefers it to other wheat-he thinks it in furnished with leaves in a double row, and more which he imported from the south of Spain at considerable expense. I think we ought to call it the Watson Wheat, in honour of that distinguished a son-in-law of Mr. Coc, introduced the sheath is hairy, or rather silky. The spikes ty for the last two years.

the introduction of that wheat into this county The following letter is from the pen of a distin- but have arrived at very different results. Idi

mentioned in the letter, merit the commenda- I found no facts, to warrant his deductions; and a tions it has received, any information respect- very superficial inquiry would have undeceived He was an active member of the Agricultural Society of Cayuga county, in 1818, and could, from inquiry, if not from recollection, very easily have ascertained to whom the wheat mentioned in his communication had been distributed, how cultivated, and with what success; perhaps he has done so; but the public are favoured ing, requesting of me a communication of all the by him, with no facts, except the allegation that facts in my knowledge of the time when, and by In the summer of 1818, Mr. Watson attended he following letter was sent us by Ira Hopkins, whom the White Flint Wheat was introduced our Agricultural Society, at Auburn, and left Esq. a respectable farmer of this county, which into this country, as also, my opinion of its with us a number of kinds of wheat, which it was comparative value with other wheat now gene-said he imported from Spain, which was distriburally cultivated in this county, has been duly reted through our county, and I have no doubt ceived, and I do not feel at liberty to conceal any from this fact, that this wheat is one of the kinds fact relating to that inquiry, which has come to he left with us, and one of the seventeen variemy knowledge well authenticated. I regret, ties mention in the back of Mr. Watson's book, however, that it is not in my power to speak of and which he imported from the south of Spain, the comparative value of the white flint wheat at considerable expense." These circumstances from actual experiments, not having myself yet may have convinced Mr. Hopkins, but I apprethird more than the bearded wheat, sown at the harvested any of that grain, but hope in a few hend no other person. Mr. David Thomas, of weeks to satisfy your inquiry on that subject, Scipio, was president of the Cayuga county Agrihaving now growing about 25 acres, which looks cultural Society in 1818, and from him I have ascertained the fact, that he cultivated every varie-The white flint wheat, so highly esteemed by ty of grain distributed by the Society in that those who have cultivated it for several years year, amounting in all to the number of seven-past in this county, is not a Spanish wheat of mother, and found them in his opinion, inferior to

J. L. RICHARDSON.

FOR THE AMERICAN FARMER.

BOTANICAL SKETCH of the principal gramina useful, or likely to become useful, in husbandry. No. VI.

Cumberland 6. Panicum dactylon. LIN. Cynodon dactylon. RICH. PERSOON grass. Bermuda Digitaria dactylon. \{\begin{aligned}Muhl. \\ELL. &c. \end{aligned}\) grass. Creeping pa-Paspalum dactylon. DECAN. nic grass. Chiendent fried &c. &c. de poule.

This plant is here placed under the genus papatent for some invention of his, and on his return nicum, because mentioned under the generic and home he called on his brother in-law, by the name specific names given to it by Linnaus, in most the former of agricultural societies in this and of Miller, who then resided on the Schnylkill, practical works on the grasses. By subsequent other states. In the summer of 1818, Mr. Watnear Pots Grove, about 42 miles above Philadel-botanists, it has been variously named, as may be phia, and from him obtained about a quart of inferred from the above synonimy, which I have

seed into his neighbourhood, has himself culti- are generally four in number-three of them tervated it with great success, and has supplied in a minal, rising from the same point-another shortgreat measure all demands for seed in this coun- er, originating at a different point-sometimes there are five spikes. These spikes are about On the subject of the communication of Ira two inches long, linear, and internally villose at Hopkins, Esq. of Brutus, to Mr. Skinner, editor their base. The flowers are sessile, oval, rather of the Cayuga Republican, dated May 18th, 1824, acuminate, imbricated. The calvx is two valved; vation, is satisfied that the soil best adapted to its growth, is the sandy or loamy kind.

On the subject of the white flint wheat, and of which a circumstance evidently separating this plant growth, is the sandy or loamy kind.

On the subject of the white flint wheat, and of which a circumstance evidently separating this plant growth, is the sandy or loamy kind. little. We appear to have been in pursuit of the spreading, lanceolate. The larger valve expands same object, namely; the time and manner of into the form of a bractea. The anthers are of a light, the stigmas of a dark purple.

The excellence of this plant for pasturage is

binding the loosest and most barren sandy tracts. But when it has once taken possession of close, maturity, by the corolla. rich soil, its extirpation is so difficult as almost to defy all the skill, industry, and perseverance of farmers. More will be said about this tenacity, when treating of the genus Digitaria.

7. Panicum viride. LIN. { Green Panic.

This panic is annual-it grows abundantly in the fields. Its culm is about 11 foot high, and has branches in its lower part. The leaves are narrow, and generally six inches long—flat or plane, and rather rough. The spike is terminal—of a greenish colour-composed of flowers, two of and other changes, by modern botanists. which are contained in each fascicle of setæ.— These setæ are smooth.—The seeds are nerved.

8. Panicum sanguinale. Lin Crab grass.
Paspalum sanguinale. Lam. Crop grass.
Digitaria sanguinalis. Kæl. (not the only grass of that name)

This plant has been properly separated from the genus Panicum, but it is here left under it, on

account of an intended reference.

The root is fibrous, putting out one or more stems decumbent at their base, but soon assurgent-geniculate-smooth-rather compresseded in pairs-one sessile-the other pedicellate .-The valves of the calyx are tinged with purplesometimes glabrous-sometimes puhescent.

This is stated by Elliott to be an excellent grass the three above species, however, shew that ject immediately under consideration. their nutritive powers are inconsiderable. (VIDE fluitans, commonly called Manne de Prusseand to be afterwards described.

Many other species of Panicum promise to be of the hest writers on general, or local botany .-I shall, at the conclusion of this sketch, give an date, and to fertilize. ample list of those botanical publications which deserve a place, in the Libraries to be formed by works on other branches of science intimately connected with the improvement and dignity of an art which, situated as we are, must constitute the broad and imperishable foundation of our national prosperity .- I now pass to the genus.

Agrostis. \ Bent Grass. 3drie. 2gynia.

Obs. The generic name Agrostis, comes from a Greek word signifying field, because most species of this genus grow in the open fields.

Generic characters. The Calyx is 2 valved-

and it grows luxuriantly in every kind of soil valves shorter than those of the calyx-unequal in the neighbourhood of Cambridge, from a very

sometimes ramose—their height varies, but is rights and privileges. generally small.

Yet, even here we observe certain anomalies-the eye of the law, enclosed and set apart from which have induced the formation of new genera, his neighbour's; and that, either by a visible and

late some species of Agrostis to the genus Arun Calamagrostis.

na, the calvx contains more than one flower.

afford to sheep and other domestic animals, rich woods." and permanent pastures-the erect part of the useful in husbandry, and, on this account, deserve decumbent part quickly putting out other stems, be five feet high, and from the first of May till the attention of the inquisitive and enlightened at the several joints, and thus renewing, for the 10th of November, all horses shall be kept agriculturist. But enough has been said to excite these animals, the plentiful and salubrious ban curiosity and interest concerning this important quet—and affording to the "Lord of the creation" ties thereafter named. genus. My object is solely to point out and to man, delightful grass plats and lawns for invigodelineate the prominent genera and species of rating sports, or contemplative walks. The ge-monstrate, that neither the words, nor the intengramineous plants. Whoever possesses taste and nus Agrostis offers another incalculable advantage, tion of this law, impair the rights of the agriardour for such enquiries, must resort to the works Some of its species have long, creeping roots, and culturist; on the contrary, it is most obviously I have already mentioned a few such works-but have been intended by nature to fix, to consoli-protect his interests, against a licentious horde of

agriculturists.

L. H. G.

The notice of the public is invited to the follow ing view of the laws of Maryland, on the sub ject of Enclosures; it is a subject worthy of wholly unfounded. attention, inasmuch as it appears to be very at large.

FOR THE CAMBRIDGE CHRONICLE. Gentlemen-As considerable inconvenience re-ling might be shot.

stock of every description to all other grasses- flowered-valves acute.-Corolla, 2 valved-the sults throughout the county, and more especially It possesses an additional advantage—that of -sometimes awned-sometimes awnless-stig general misconception of the laws of the state of mas longitudinally hispid-seed invested, in its Maryland which regulate enclosures, I take the aturity, by the corolla.

liberty to offer, through your paper, a concise

The flowers are generally small; in every speview of the subject, for the benefit of those who cies, they assume the form of a panicle—with may not have the means of correcting their erroslender, delicate, and spreading branches, pre-neous impressions on this subject, which might; senting a pyramidal appearance—and often tinged and frequently has perhaps, lead to a trespass on with red. The stems are sometimes simple-their neighbour's property, from a false notion of

By the laws of England as laid down by Black. The genus agrostis appears natural, when restone, vol. iii. p. 209, every unwarrantable entry gard is had only to the habitus totus of the several on another's soil, the law entitles a trespass by species, and to the affinities which connect them. breaking his close; for every man's land is, in material fence, or by an ideal invisible boundary, A pubescence investing the base of the seed, or existing only in the contemplation of the law; rather the valves of the corolla, seems to assimiland every such entry or breach of a man's close, carries along with it, some damage or other; even do; but the plants belonging to the latter genus the treading down, and bruising the herbage is a are comparatively larger. Their calyx is many damage, and a legal cause of action: also id. p. flowered and awnless. Hence it has been thought 11, a man is answerable for trespass and damanecessary to form the new intermediate genus ges, if by his negligent keeping, his cattle stray upon the land of another, though without his Some species seem connected with the genus consent or knowledge; hence it appears that an Avena, by a dorsal and twisted awn—but, in Ave- enclosure is contemplated by the law, rather with a view to a man's confining his own cattle I might mention some other irregularities tend- within his own boundaries, so as to avoid their ing to shew the extreme difficulty of distributing annoyance of his neighbours, than, as a necessaand from one to three feet high. The sheaths and arranging plants into groups, all the indiviare hairy—tinged with purple with an obtuse and
duals of which are perfectly conformable to any
multifid membrane. The leaves are plane, soft, assumed generic type. The creative power of cipal law of Maryland, except so far as it may pubescent—sometimes very long. The spikes are lature seems to multiply itself in this infinite valuate been altered by legislative acts; of these, linear—4 or 6 together. The flowers are dispositely of modifications. The original plan is evidence of 1715, c. 31, is the only solutary act, which dently the same—but still there is such a count- has ever made any material alteration in the mu less multitude of combinations as to elude the uncipal laws of Maryland on this subject, from grasp of artificial systems. Hence the preference the period of their adoption, or derivation from given by so many among the moderns to the natu the parent country, and that, I presume is obsofor hay. The experiments made by Sinclair on ral method of Jussieu. But I return to the sub-lete and inapplicable; but grant it otherwise:-By the title and preamble of this act which has In general, the species of the genus Agrostis given rise to so much error, it is obvious that it Appendix to H. Davy's agricultural chemistry.) are found among gramina of a small height. The was intended, not to impair, but to guard and Schreber describes the Panicum Sanguinale as luxuriant vegetation of elevated neighbours would protect agricultural rights and interests; the title the manna grass. The natives of Poland, Li choke their humble, but useful growth-as we is in these words-" An act ascertaining the thuania, &c. collect it in great ahundance, care- sometimes see in society, the modest industry of height of fences, and to prevent the evil occasionfully separate it from the husks, boil it with milk the poor neutralized by the exclusive and absorb ed by the multitude of horses, and restraining or wine, when it forms a very palatable food. I ing encroachments of overgrown wealth. Many horse rangers, within this province, and to rehave seen a nearly similar account given of the of these species are even so fine and so slender as dress the great evil accruing to this province, by use made by the Prussians of the seed of Festuce not to bear the scythe well—but, in return, they the multiplicity of useless horses, that run in the

By the first section of this act it is provided stem only being eaten by them, and the lower and that all enclosures, by fences or otherwise; shall

It would be an insult to common sense, to dedelight in loose, sandy soils, which they seem to self evident, that it was designed to defend and marauders, horse-rangers and hog-rangers, fugi-In my next number, I shall describe the most tives from justice, and insolvents, whose occupainteresting species of this genus—among which tion it was, to retrieve their prostrate condition. Agricultural Societies, among the most approved the Agrossis Stolonifera, the celebrated fiorin of the result of general worthlessness, out of the well earned goods of others, the result of honest labour, and frugality; and the construction assigned to this law by many, countrymen and townsmen, whereby its spirit is perverted, to extend the privileges of horse-rangers, &c. is

> The other sections of the law go to provide generally misunderstood, and is unquestionably against the contumely and pertinacity of the one of very general interest to the community rangers, (generically speaking) to prevent the repetition of their offences, by authorising, that after notice twice given, the horses, &c. trespass

The last section provides, that it shall not be lawful, for any person, not having land of his own, nor renting a plantation to keep breeding mares; founded, no doubt, upon this plausible hyrothesis, that without the means, themselves of raising horses, the task might devolve upon their unwilling neighbours, which, the law deemed unjust, and therefore prohibited: the same principle, it is presumed, would hold against the hog-rangers, who far out-strip the horse-rangers of the last century, in the extent of their pretensions: most seriously, it is accredited by many good and pious neighbours, that hogs have, if not the physical power, at least a kind of privilege of ubiquity, conceded by the laws of the state; or that by a kind of unintelligible custom of forbearance, they may range where they please; this notion is so absurd that I should fancy I was violating the character of your paper, were I to argue its refutation; the immutable principles of succeed, though there has been no deficiency of justice, as well as of law flatly contradict it, propensity or efforts to gratify it. Hence occurs and the worthy citizen, upon a single glance, will the question, how has the race been preserved? renounce it, as a palpable heterodoxy.

I have the honor to be,

Yours respectfully, JOS. E. MUSE.

Cambridge, March 23.

Natural History.

OVIS LATI-CAUDA; OR BROAD TAIL SHEEP.

Albany, 10th July, 1824.

DEAR SIR .- I feel gratified with your interesting letter, and particularly to learn that you intend to visit this region the commencement of

this place.

Your account of the ovis lati-cauda or laticaudata, some of which animals you have obtain-tional light shall have been thrown upon the sub-ed by the public spirit of Capt. Jones, exhibits a ject to which they relate. most particular point for the discussion of naturalsays that their tails are a cubit or twenty-two inches broad. Pliny in the eighth book of his Nating your ram associate with the common ewe.
The redundance or excess of fat, which in our

upon the vertebra of the tail in the Barbary sheep, the mouth for a minute, without other support which generally weigh from 10 to 50lb. and are esteemed a great delicacy. Some are said to be ed-and the astonishing organization of the worms so ponderous that the shepherds sometimes put taken out. You will perceive at first view that boards with small wheels under their tails in or der to prevent injury. This animal is also re markable for the fineness of its wool shawls of Tibet are made of it-and in this respect your sheep may be a great benefit to the mutilated, as he had seen none in all his previous ask permission to make a few observations on that country, but if the obstacle to propagation, which operations without it." It is by these fimbriated subject, without wishing to enter into controversy you suggest, cannot be surmounted, then the advantages of this importation will be lost.

It is said that there is a great difficulty in the same respect as to the Lama of South America, and that the keeper sometimes assists; but nature must have prescribed the union without the aid of turgid This animal could not have been so antient, so numerous, and so extended, if extraordinary means for its continuance were indispensable.

May not the difficulty of communication be di-me to say more on this subject, please to ask for minished by the falling off of the fleece? may not such information as you desire. he female assume a change of position or prostrate herself as the female Lama does? may not many of the females be destitute of tails, as in some varieties they are destitute of horns?

But I must stop lest I fall into the error of the pedant who attempted to teach Hannibal the art

of war.

I am your's, very truly. DE WITT CLINTON.

J. S. SKINNER, Esq.

Note .- [What is here said of the difficulties of propagation is in reply to the observations of the Editor who communicated the fact, that besides the apparent physical difficulty, not to say impossibility of sexual intercourse, none of the full blood which he has seen have been known to If the presence and assistance of the shepherd be indispensible, dame nature must have been in a very speculative mood to create these animals and leave their power of propagating their spe cies to depend on a circumstance so precarious !!] Ed. Am. Far.

~ DO GAPES IN CHICKENS.

Occasioned by double headed worms, which accompany this communication, together with a brazen wire screw, with which they are easily extracted.

SYNAPUXENT, 16th June, 1824. TO THE EDITOR OF THE AMERICAN FARMER.

next month. I shall certainly see you at Sarato-ga Springs and I hope to see you at my house in you that your inquiry, when I last had the pleasure of seeing you, was not correctly understood. I shall be pleased to hear from you when addiject to which they relate.

Willing at all times to minister to that laudable This animal is noticed by Aristotle, who thirst for information which characterises you, I herewith forward a double heuded portion of the vermicular family, together with the instrument tural History, mentions that "in Syria sheep with which they were taken from the wind pipes have tails a cubit long, and they bear most wool of four chickens in great distress with the gapes. The broad tailed sheep are common in Syria, Egypt, and Barbary; and Buffon says, that strument, was kind enough, after he had operatthis race is much more diffused than the ordinary ed upon our chickens, to give it to me, exactly as kind. Travellers have denominated them Barlary sheep, and it has been made a question to you that I have seldom been more surprised, whether they are a distinct species or a variety, than at the facility with which this brazen screw I have no doubt but that they are only a variety, was introduced into the wind pipe—the struggles but it is in your power to settle this point by let- of the subject ceasing as soon as its point had fairly passed the chink, (rima glottidis if you prefer it,) the almost undisturbed respiration, this office. sheep settles about the kidnies, appears to descend whilst it was suffered to remain projecting from than that which the walls of the tube itself affordmany of these monsters have two fimbriated, and all a pointed extremity. The gentleman who The fine extracted them assured me that "those which per, that the month of June is the most proper appear without the small head must have been time for cutting timber, with diffidence I would

PUBLISHED IN THE AMERICAN FARMER, BY OR-DER OF THE STATE.

A report of the tobacco inspected at and delivered from Piscataway Inspection Warehouse, during the quarter commencing on the 5th day of April, 1824, and ending on the 5th day of July,

	Domestic growth.	Growth not of this state.	Re-in- spected.	Total.
Number in- spected.	98			98
Number de- livered.	91			91

JOHN C. MOORE, Inspector.

TREASURY OFFICE, ANNAPOLIS, July 22, 1824. True Copy, from the original report on file in this office.

B. HARWOOD, Tr. W. S. Md.

A report of the tobacco inspected at and delivered from Upper Marlboro' Inspection Warehouse during the quarter, commencing on the 1st day of April, and ending on the fifth day of July, in the year eighteen hundred and twenty-four.

	Domestic growth.	Growth not of this state.	Re-in- spected.	Total.
Number in- spected.	471		6	477
Number de- livered.	223			228

SCOTT & BERRY, Inspectors. TREASURY OFFICE, ANNAPOLIS, July 17, 1824. True Copy from the original report on file in this office.

B. HARWOOD, Tr. W.S. Md.

A report of the tobacco inspected at and delivered from Magruder's Warehouse, during the quarter commencing on Monday the 5th day of April, and ending on Monday the 5th day of July, eighteen hundred and twenty-four.

	Domestic growth.	Growth not of this state,	Re-in- spected.	Total.
Number in- spected.	53			53
Number de- livered.	55			55

JOSHUA NAYLOR, Inspector. TREASURY OFFICE, ANNAPOLIS, July 17, 1824. True Copy from the original report on file in B. HARWOOD, Tr. W.S. Md

> 0 FROM THE NEW ENGLAND FARMER.

BEST TIME FOR CUTTING TIMBER.

Sir,-Learning from a late number of your pablack like extremities, that their sustenance is with any, but rather to promote enquiry.

obtained. Committed to a small portion of timpid The arguments adduced in favour of felling water they manifested all the signs of life, and timber in June are not conclusive. From thirty occasionally threw out from the pointed extremi years personal observation, I find it depends, in ty portions of the blood with which they were a great measure, on the quality of the timber -Some young growing timber, will perish sooner I should say a word or two of the modus ope-than that which is older and more ripe; and seraodi, but really fear that this, written in great condly it depends much on the use it is put tohaste will be too late for the mail. If you wish We will suppose timber of the same quality

wrought into two waggons, one of them when rarmer, may be able, and willing, to answer sale used is loaded with wet loading, the other with dry, it is obvious which will perish first. I trust list about the charged with egotism, by those who was men, when I say that I have wrought more kinds of timber than most men have, and for how long is the egg in hatching? how many locality, and willing, to answer sale kinds of timber than most men have, and for how long is the egg in hatching? how many Ditto ditto No. 2, S1 25—Shad, trimmed, \$6 more uses than any I know of, and it has been my months or years, does the insect live in the tree? 75—Do. Untrimmed, \$5 75—Ginseng, out of seaendeavour to determine what time for felling and and does it leave it in any particular month? has son-Linseed Oil, 65 cents.-Clover Seed, out of what kind of timber is best for the use desired. And from the many observations I have made from both, I am satisfied and ready to say, without hesitation, that September is the best time. although I believe, that if the bark of timber trees could be taken off in June, without felling those who cultivate the apple tree. the tree or injury to the wood, and then let stand until September, the timber would be stronger and more durable. I have seen this done to elm. walnut, and maple. (I have made use of the common name of timber without giving their class, order or genus, because we should be less liable to mistake.) All these are considered of the most perishable kinds that are made use of for timber. All of them proved to be more firm and lasting. I have seen white oak timber felled in February and March, the sap of the wood was bay two year old colt by Volunteer, and a brown perished September on one side of the logs. I have seen wood, cut in May and June, in which more than the sap of the wood was perished in one year. I have seen timber that was cut in September that the sap was perfectly sound and bright two years afterwards. I have used white maple for hoops to buckets that was cut in Sep tember that lasted 21 years in constant use, the first ten years for water, the remainder for feed. ing of swine. I have one now that was hooped with maple that was blown down in the September gale 1815, which is perfectly sound. I have one other that I put but one maple hoop on of the same kind, the others were of walnut out in the winter; the latter I have had to replace three in crowns and half crowns, which the Noble boson, or neck vein is consequently very full, as times, once with walnut, once with white ash, and once with red ash. The maple is perfectly Duke refused.—London Paper. sound now. Many reasons may be offered why September is the best time for felling of timber, but one general reason must suffice for this time, the death of the highly celebrated hunter Hookey tered fully into his merits, but I trust you will When I have more leisure it may be that I will Walker, the property of Captain William Healey, think I have not said more than the hull deserves."

discuss it at greater length. The one reason I The performances of this horse, as an hunter, "He was got by Warrior, for whose dam I shall now offer is, the timber is more ripe in Sephave been very extraordinary. He has been paid Mr. Robert Colling, 200 guineas, his dam tember than at any other time. I have thought known to leap thirty five five harred gates in one was by Blyth Comet, whose dam I bought at Mr. that making these suggestions at this time, might day, with his owner; and in the grand steeple Charles Colling's sale for 170 guineas. Blyth induce some to try the experiment this season of chase, near Newcastle, he leapt the great Burn Comet, was also the sire of the Ox, in my group removing the bark from trees designed for time of nine yards deep water, and won the match gal- of animals, which you have, and he was bred in

PHINEAS STEVENS.

Andover, June 4, 1824.

THE BOKER IN APPLE TREES.

Sir.-If you think the following, worthy a place in your useful paper, you will confer a favour on one of your readers, by inserting it.

Having been recently employed, in the exami-

nation of a considerable number of apple trees, for the purpose of exterminating that destructive insect, known by the name of the "Borer," I was surprised to find it apparently in so many different stages of existence. I discovered first, a small substance on the bark of the tree, scarcely possessing the power of motion; second a small grub, or worm between the bark and wood, generally, very near the surface of the earth; third, a larger worm completely incased in the wood of the tree, from one to four inches from the surface PRICES OF COUNTRY PRODUCE - careful of the earth; fourth, an insect about one inch and an half in length, with many legs, and apparent-Iy a pair of wings, from four to six inches from Iy a pair of wings, from four to six inches from the surface of the earth, and near the inside of Susquehannah, \$5 121—Do Wharf \$5 25—Do the Borrin Apple Trees—Price of Race Horses—A No the bark of the tree. I indulge the hope that Rye, \$2 a \$2.75-Corn Meal, per. berrel, \$2-

any method been discovered, to destroy this mischievous insect except by cutting it from the tree? the writer is confident that if any person possess- Flax, 10 ets. - Candles, Mould, 121 ets. - Soap, 7 es the means of answering the above queries, by cts. -- Pork, Mess, \$15 50-Ditto Prime, \$12-

R-y, June 8, 1824.

Price of Race Horses .- During the last few years about two thousand pounds has been the maximum for the reputed best colt of the year. Five thousand guineas were offered and refused for the eelebrated Smolensko, before he went to Ensom. In the Newmarket Oct. meeting, 1805, a bay colt by Pipato sold for 15,000 guineas. A chesnut two year old cult by Beningborough, a three year old filly, Orange Girl by Sir Peter, sold for 15,000 guineas each. Lord Fitz Wil-

lantly, which was for 200 sovereigns. On the and in from Comet, who was sold for 1000 guineas banks were scationed men with ropes, for the at Charles Colling's sale, in 1810. His grandam, preservation of the daring rider Capt. Wm Hea-was by Mr. George Coats' Palmflower, who is ley, who, accomplished this unequalled task in own brother to my Cow Crimson, for which I the presence of thousands.

a holf feet in one week, from the 31st of May to 500 guineas, so that your Bull partakes of Colthe 6th of June, the present year; averaging a ling's and Coats' best blood." growth of more than 14 inches per day .- Providence Journal.

ERRATA in No. 13 —Page 183, first column, the * refers to the † in the note. The † refers to the * in the note.

THE FARMER.

BALTIMORE, FRIDAY, AUGUST 6, 1824.

ly collected every Thursday, for the American Farmer. By ROGERS & STMINGTON.

Flour, Howard St., S5 37 wagon price-Do. some of the correspondents of the New England Wheat, white, 98 to 103 cts-Ditto Red, 95 c.s. Advertisement, &c.

wrought into two waggons, one of them when Farmer, may be able, and willing, to answer sa | Corn, 34 cents-Ditto, white, 33 cents-Rye, per season—Flax Seed, rough, 75 cents per bushel— Timothy, Do. out of season—Hay, per tnn, \$10 so doing, he will confer a great benefit on all Butter, 7 cts. to 14 cts.-Lard, 9 cts.-Bacon, 6 a 7 cts.-Leather, Best Sole, 24 to 27 cts.-Feathers, 35 cts.-New Wool, 30 to 35 cts.-Merino full blooded 35 to 40 ets.-3 do. 30 to 35 ets. -1 do. 25 to 28 ets.—Common, 20 to 25 ets.—25 per cent, more when well washed on the sheep and free from tags.

Some very fine Yellow Tohacco inspected at Warehouse Nn. 1, during the present week, sold at an advanced price of \$30 to \$40. Common and midling dull, fine, scarce and wanted, very little

coming to market.

For Sale.

The thorough-bredimported, "improved Durliam refused 3,000 guineas for Sir Paul, by Sir Pe. HAM SHORT HORN BULL," called CHAMPION. ter, out of Pearl by Tandem. About half a cen- This celebrated Bull, was ordered by Mr Skintury since, Lord Gross enor offered Mr. Piggott ner from his friend, Mr. Champion, of Blyth, in 10,000 for Shark, as the horse was leading off the Nottinghamshire, England, in the spring of 1822. course at Newmarket, to be taken out of train. Mr. Champion says in his letter to Mr. Skinner, ing. It was reported that O'Kelly refused nearly "the Bull I consider a magnificent animal. He double the sum for his Eclipse, replying to the will not be two years old till the 10th of August, offer that "all Bedford Level would not purchase 1822. I have no doubt, he will grow to a large Eclipse" To go half a century further back, a size, and his points are extraordinary; his breast report has been handed down from father to son, is uncommonly prominent; his shoulders are that a Welsh sportsman offered the duke of De- neatly formed, and well, in which is considered a is also his flank; these are great perfections combined in the same animal; and withall, his quality of flesh is superior, his ribs and hips are A Noble Horse.-An English paper announces very promising to be well expanded. I have en-

gave Mr. Coats 100 guineas, when 13 years old, and Crimson is the dam of my bull Blaize, by A gentleman in Rehoboth, informs us, that a Blyth Comet, which I am now using. His great-spire of Asparagus in his garden, grew eight and grandam by Patriot, which Mr. Coats sold for

> This Bull and two Heifers which were imported with him, were sold for 1500 dollars immediately on their arrival. He has been proved to be a "sure getter," and is now offered for sale, as the person to whom he belongs has a young

Bull for the next season. Apply to the Editor.

CONTENTS OF THIS NUMBER.

Celebration of the birth-day of Linnaus, continued-Ou the Manuficture of Straw and Grass Honnets, No. S-l'he great value of Wheat—Botanical Sketch of the princi-pal gramina useful, or likely to become useful, in husbandry, No. 6—View of the Laws of Maryland on the subject of enclosures - Ovis Lati-Cauda; or Broad Tail Sheep-Gapes in hile Horse-Remarkable spire of Asparagus-Prices Current,

CELEBRATION AT NEW YORK OF THE BIRTH-DAY OF LINNÆUS, 24th May, 1824 .- (Concluded.)

To Dr. SAMUEL L. MITCHELL.

Linnæan Garden, May 24.

DEAR SIR-A most curious and singular natural phenomenon having occurred in this garden, I do myself the pleasure of addressing you on the sub-ject; the more particularly, as it was from you the information was received, which led to the experiment. During a walk with you in my garden, about two years since, you mentioned to me, at the moment we were passing the dictamnus rubra, that a German writer had asserted, that the dictamnus or fraxinella, when in flower, emitted inflammable gas to such a degree, that on a lighted match bein, applied to it, it would im-mediately explode. This assertion of the German writer, appeared to me so incredible, that I had not the curiosity, the first season, to test its truth; but the last summer, observing some fine spikes of flowers on the plant, I went, with several of my family, in the evening, to try the experiment. A match was lighted and applied to the top of the flowers, but no effect was produced; the match was then applied to the base of the flowers, and instantly the whole spike was enveloped in a blaze of light, attended with an explosion similar to what would have been produced by a tea-spoon full of gun-powder, thus proving beyond the possibility of doubt, that the assertions of the German writer alluded to, were correct. The next morning, I had the curiosity to examine the flowers, to ascertain if any visible traces remained of the explosion of the gas, but found none, nor could I perceive, that the flowers were in the least injured in beauty or appearance. This plant, weil known in medicine, was esteemed by the ancient Greeks a radical cure, and Virgil quotes it in several places as remedial in ous Acid, which some call the "Acid of Wood," defined in several of our modern materiæ medicæ, on that head; but to you and to any other scien-

With the highest respect, your's, &c. WM. PRINCE, Sen.

ODE TO LINNÆUS.

By J R SCTERMEISTER, of Rhinebeck.

Hail the bright reign of May! There is sweetness in her smile; The wild bird's song is gay— Its music doth beguite: The green earth's loveliness, Which drink the breath of morn, May well the bosom bless.

Hail the bright reign of May, Fair daughter of young spring Hail this auspicious day, Which fleets upon time's wing! There is clory in its name, The birth-morn of the high; Ilis am'ranth crown of fame, Lives in the vaulted sky!

While in life's youthful dawn, He slept on earth's green breast, The breeze swept o'er the lawn-The flowers in joy were dressed. Beneath an elm tree's shade, He lay to fame unknown; Till genius passed the goade, And claimed him for his own. Vol. 6.-21.

He walked the earth in pride. Like one horn in the sky Looked through creation wide. With philosophic eye. He named each shrub and flower, Which drinks the vernal dew; Which decks the summer bower With bright and varied hue.

Hail this auspicious day ! Young hearts with glory burn ;-Lo! science takes his way, To greet its bright return: And learning's brow is dress'd, In smiling cheerfulness; How wakes each happy breast Where joy looks on to bless.

Hail this auspicious day! Bright cheeks are glowing here; Sweet beauty's fair array, May well this hour endear. Oh! woman is life's flower, Which doth the heart beguile; Who would not die this hour, To live in beauty's soile?

Lines composed by a young Lady, for the coronation of the bust of Linneus.

Thou, the High-Priest of Nature!-for 'twas thine To stand within her sanctuary's veil To catch revealings from her secret shrine,
And tell the listening world the mystic tale!
We come, with grateful bosoms beating high, I'o gaze upon thy features: 'neath that brow, Dwelt the vast thought, that grasped infinity, And the firm soul that fortune could not bow ! And the missor that for the count not sow?

Bring Glury's wreaths, to erown the immortal sage

Not gemmed, nor golden be the diadem;—

But those bright heralds, that from age to age

Transmit his fame,—Oh! weave the wreath of them!

On the uses of Pyroligneous Acid, read at the all other acids. celebration of the birth day of Linnæus, at Flushing, on 24th May, 1824.

wounds. As its medicinal properties are fully is a recent discovery. Its uses, perhaps, have superior to any imported. not been long known; but in a folio work on ex-I deemed it unnecessary to make any experiments perimental philosophy, written by Glauber, the may be applied, is that of curing meat of every celebrated Dutch chemist, about two hundred description, so as to preserve it from flies, and tific gentlemen, I will cheerfully impart, any years ago, it is not only particularly mentioned quantity of the plant they may desire, for the purpose of making experiments on its medicinal are given how to prepare it, and engravings introduced of the apparatus used in its manufacture.

in possession of an ample fortune, and extremely fond of chemical studies, he devoted most of his the one case, the meat is acted on during the distime and means to this pursuit. It does not, how-tillation of the acid while the wood is burning in ever, appear that he carried his experiments far- the smoke-house; in the other, the acid, already ther, as to this discovery, than to ascertain that formed is applied by immersion, or by the brush. its qualities resembled those of common vinegar.

In the year 1814, Professor Meineke, of Gotpreparation of mummies.

Mr. Stotze, an apothecary at Halie, made a variethe effect of the climate, and the other was hung ty of experiments, by which he so far verified his up at home. After the lapse of fifteen months, predecessor's discoveries and so completely puri- (i. e. January, 1821) they were tasted by all the he obtained a prize on that account from the ly sweet, fresh, and fit for use. Royal Society of Gottingen,

but Fourcroy, and other French chemists, having analyzed it, they pronounced it to be the nature in either country, by which the mode of same as the acctous, or common vinegar, differing only in the flavour. The name of Pyroligneous one instance, the acid was put into the tub after Acid has since been given to it from the circumthem and been sufficiently saturated with the meat had been sufficiently saturated with the distillation.

In England and France the manufacture of this acid is carried on to a considerable extent, and is there used in families as a substitute for vinegar. When it first comes from the still, it is of a dark colour, possessing a strong acid, and slightly astringent taste, with an empyreumatic smell-After remaining at rest for some days, the substance which causes the dark appearance, and which is of the qualities of tar, subsides, and the acid then resembles Madeira winc in colour, and is comparatively transparent.

Before Pyroligneous Acid, however, can be used for the table, it must be frequently distilled to free it from the volatile oil which occasions the peculiar flavour attending it in its original state.-The most effectual method to render it pure, is to mix it with sulphuric acid, magnesia, and common salt, when running it through the still .-These frequent distillations increase its strength so much that it cannot be used for domestic purposes, until it is mixed with a large proportion of water. Some of the acid, thus purified, has lately been imported into this country, and is found to answer all the purposes to which vinegar is usually applied.

Pyroligneous acid is well known in Great Britain of late years, as an article of commerce.-It is there distilled for the purpose of obtaining the acid to dye cloth, and the charcoal for manufacturing gunpowder, which is always in request .-The common estimate is that a ton of nut wood yields about 100 gallons of acid, 400 lbs. of charcoal, and 12 gallons of tarry substance.

This acid is also extensively used, in this and other countries, in the preparation of white lead. The powerful manner in which it acts on the metal in its original state must always induce the manufacturers of this article to prefer it to

It is likewise understood, that leather may be tanned by the Pyroligneous acid, in a much shorter period than by the ordinary process, and that the leather thus manufactured, is equal, if not

But the most valuable use to which this acid matters as smoking them by wood does; and that Glauber was not a professional man; but being the only difference in using it and drying by the present mode, is merely in the application.

Since the experiments of Mr. Stotze, at Halle, several successful applications of the acid, in this tingen, seems to have first conceived the idea that way, have been noticed in the English journals. the Vinegar of Wood possessed peculiar antisep. Two specimens of meat were, some months ago, tic principles, from which he was led to use it in exhibited at a meeting of the Philosophical Societhe preservation of meat, and afterwards in the ty, Whitehaven, which had been prepared with reparation of mummies.

Availing himself of Professor Meineke's studies, pieces had been taken to the West Indies to try fied the acid as to render it fit for the table, that members of the Society, and found to be perfect-

Our journals also have mentioned instances From this period down to 1818, the Vinegar of where the acid has been used in the preparation Wood was generally regarded as a distinct acid; of meat, and the result has been equally satisfacstance of its being obtained by the destructive pickle, and in another it was not applied until after it was removed from the tub, and had hung

in the open air for a day or two. The quantity are calculated to inspire. Sir, I feel an inex- requested to form rules and regulations for its

were moistened by a brush, with nearly a quart of the acid. In a few days they had all the appearance of smoked beef, and, when cut in slices,

tentive to cleanliness—considerations which are dent, the following sentiment: of no small importance to those who are Genius and science, the bi careful in regulating their household affairs.

Accompanying this communication is a piece of beef prepared by me about two months ago, and a part of the acid used by me on that occa-The beef has been fully exposed during the whole of that period, and although the weather has not been so warm as is usual at this season, I have no doubt that it is unassailable by putrefaction or by flies in the hottest part of the year. When sliced and broiled, it relishes as

well as the best beef steak.

The acid is in the same state in which it was when it first came from the still. It is divested of its colour hy subsequent distillation; but as this deprives it of its essential oil, the cause of the smoky flavour given to the meat, any alteration in its present state must diminish that flayour, and, probably, materially affect its anteseptic qualities; consequently render it unfit for curing meat.

I have been assured that fish may be preserved for any length of time hy the Pyroligneous acid. This appears extremely probable. Salmon, shad, and herrings are cured in smoke houses in the same way that meat is cured, and there seems no reason to doubt that the acid would produce a similar effect. It might also be used to preserve beef and pork for a considerable period, without be appointed for the purpose of obtaining by the trouble and expense of salting. New York, correspondence or otherwise the best intelligence GEO. HOUSTON. 20th May, 1824.

Prince, introductory to a toast given at the Linnaan Festival.

Such has been the pressure of numerous avo-this Board for disposal. cations, for some time past, that, desirable as it was to me, to tender my offering at the shrine mers in the different counties of the Eastern these resolutions, your committee are of opinion, of the immortal father of botany, still I have not Shore of Maryland, to organize an association of that their objects are highly important, and if been enabled to contribute to the exercises of judicious and experienced persons consisting of carried into effect in the spirit in which they are the day by any scientific communication; and from five to twelve members, or more, according suggested, will afford in their accomplishment, to aid the Trustees of the any elaborate remarks, but with a soul filled Maryland Agricultural Society for the said Shore.

of the acid used has likewise been differently es- pressible pride and pleasure, on seeing here, own government, not being inconsistent with timated according to the different modes of pre-paration which have been adopted. concentrated, the most splendid talents, not only those of the said society, and that they propose of our own country, but of regions far remote. to themselves as the commendable duties of their With the view of satisfying myself on the Little did our great patron, whose nativity we meetings to stimulate agricultural industry and subject, I caused six pieces of beef usually selected this day celebrate, when he was developing the enterprise-to collect and disperse useful inforfor smoking, and weighing about 15 lbs. each, to mysteries of nature, and when his efforts were mation upon husbandry and rural concerns, and he cured with salt, saltpetre, and sugar in the or- ridiculed by many of his contemporaries, anti-the breeding and rearing of all kinds of stockdinary way, and when they had been about four cipate that his name, by its talismanic influence, to ascertain the improved state of the lands by weeks in the pickle, they were taken out and would excite the plaudits of every clime, of every the application of manures—the various kinds of hung up for twenty-four hours; after which they supposed, at the period in which Linnaus lived, of each—and generally to use their best exerthat in less than a century, we should be able to tions to aid the improvements in agriculture and enumerate in the vegetable kingdom, above six-thereby to add to the health and happiness of tween them in flavor or taste. Some hams and accurately defined and recorded?—And what Resolved, That it be recommended to the sevtongues, prepared in the same manner, showed a similar result.

In point of economy, the difference in the thousand species of those described, are natives two modes is very striking. The expense of of our own country; and that each year affords to the next Catle Show at 10 o'clock, A. M. for smoking a hundred weight of meat, is $37\frac{1}{2}$ cents; large accessions to the number? Can that the purpose of conferring together and seeing the cost of the acid for the same quantity, is country be said, with truth, to be unfavourable what their exertions may have produced worthy only 6 cents. But what is of still greater imto the expansion of intellect, which can boast of general attention, and also with a view of portance is, that when meat returns from the its full share of vegetable productions; a country having such county boards of agriculture recogsmoke house, it generally weighs about a third watered by the mightiest rivers, and bearing nized and arranged in future by the authority of less than when sent thither. Prepared with the within its bosom, internal seas of immense exacid, no diminution in the weight takes place; tent? Can man degenerate in a clime, the granwhile the juices of the beef and hams, which are deur and majesty of whose scenery, commands H. Goldsborough, Henry Holliday and Daniel dried up by the fire of the smoke house, are entirely preserved in the new process. Add to this, to expand amid the sublimities of nature? Sci rough from the committee made the following that in using the acid there is no danger of the ence banishes from the mind all prejudice, and report. meat being changed, or of its passing through the bids us look upon every country with liberal feelhands of persons who may not be altogether at lings. Permit me, therefore, to offer, Mr. Presi-

Genius and science, the birthright of every

The Rose of Sharon and the Lily of the Valley: by a young Lady, and given as a sentiment at the Linnaan festival.

O gracious power, from whom all goodness flows! Long may thy flame within my heart be known; Like Sharon's Rose, with ruddy tints that glows, Like the vale's pride, may it thy lustre own, And gave its fragrance unto thee alone: And aye thy holy word with love adore; Then for the future hope, the past atone, Till when all pain be past and peril o'er, It bloom with life renew'd, on Eden's promis'd shore.

AGRICULTURE.

A brief extract from the proceedings of the Trustees of the Board of Agriculture, for the Eastern Shore.—Communicated for the American Farmer.

The following resolutions having been laid before the board by R. H. Goldsborough, and the second resolution having been amended as pro-

mously adopted.
Resolved, That a Committee from this Board that they can procure of the progress in the im-Substance of the remarks of Mr. William Robert land—the different kinds of manures made use of Shore of Maryland is held, to confer together

Resolved, That it be recommended to the Farwith the diversified sensations, which such a in the pursuit of the important objects commitday, such a celebration, and such an assemblage ted to their charge; and that each association be embraces the improvement of lands by manures;

Referred to a Committee consisting of Robert

REPORT OF THE COMMITTEE,

Which was unanimously adopted by the whole Board.

The Committee of the Agricultural Board of Trustees to whom the resolutions of a former meeting were referred, return the same to the Board accompanied with the following report.

It is to excite emulation, and industry, and zeal among the tillers of the earth-to improve lands, and augment crops-to add to the wealth and strength of the country — to improve the household arts, and multiply the comforts of men, that agricultural societies are formed, and are conducive. Under this impression your committee have cheerfully given their attention to the subject submitted to them.

The first resolution directs an enquiry into the improvement made in the arable lands of the Eastern Shore of Maryland, and the kinds, the application and comparative value of manures

made use of.

The second resolution contains an invitation to our agricultural brethren in the different counties of this Shore to unite their exertions with ours for the purpose of producing a joint and more satisfactory result upon subjects connected second resolution having been amended as pro-with agriculture; and it also suggests for their posed by Nicholas Hammond, were unani-consideration, what has been found by this Board to be an eligible and agreable mode of pursuing that enquiry, and of attaining the most general and useful information.

The third resolution expresses a wish, and proposes to the several county boards that may provement by manures of the arable lands in the be formed in pursuance of this plan, to meet an. several counties on the Eastern Shore of Mary-nually where the Cattle Show for the Eastern -and as far as can be ascertained, the compara- and arrange whatever plans may be thought tive value of each-and to present the same to best, and to do whatever other things that to

them shall seem useful.

After reflecting upon the different subjects of

a subject much more attended to on this peninsu- only to be drawn to you by understanding the re- try's capacity, and stimulated her inhabitants to la than is generally supposed; and which, alsources within our country, the capacity and im-though very far yet from being carried to what provable quality of the lands, the means of ob-can or cught to be accomplished, has already made most beautiful and valuable improvements ford this intelligence you must first acquire it listlessness and abundance forbade us to imin our country and tended greatly to the increase yourselves, and the very means and interchange prove. in our country and tended greatly to the increase of crops. Manuring being a cardinal principle by which you acquire it, will give it considerable publicity which it is your design and will become telligence upon this important point increases our knowledge and whets our ambition to pursue it. Without it, all agriculture is a vain and impoverishing employment, and our country, prepared to the lest fifteen years when means you will create a fraternity among agricultural contributions.

An exemplary economy, and a generous, vigorous enterprise will restore what we have lost, and more our country bloom as a garden—they will call others to participate in our happy condition—they will make us rich, and powerful for our country, and cheerful for our friends—and we hope for all this that we rich, and several the lest fifteen years when means you will create a fraternity among agricultural our friends—and we hope for all this that we vious to the last fifteen years when manures were means, you will create a fraternity among agricomparatively little made use of, presented to the
cultural men, bound by common interests and
mortified eye of the beholder, a melancholy excomparatively little made use of, presented to the
cultural men, bound by common interests and
mortified eye of the beholder, a melancholy excomparatively little made use of, presented to the
cultural men, bound by common interests and
mortified eye of the beholder, a melancholy example of a soil gradually impoverished, whose virgin freshness had been destroyed by successive crops, without any effort to restore the fertilizing matter that injudicious cultivation had country we live in, from the facility of transporexhausted.

-what of itself is the best manure-and how, cellence in a few years. and in what quantity is it most judicious to apply The two circumstance ed.

industrious population, a part of which has been easily made. driven from us and a part prevented from commost to be desired.

til we can do it away properly and prudently—perversity of man, that the more means you enpublic opinion is active, and we believe ardent dow him with, the less will he do for himself, upon this subject, and a general disposition example and that exertion rises in a corresponding ratio ists to diminish it to extinguishment as rapidly to the necessity from which it springs. Happily as is compatible with a just regard to the rights for our country, for posterity, and no doubt for of humanity, and the interest of all parties con-

The two circumstances alone of an easy water the accomplishment of the object in view. it?" a happy change! denoting as great a revo-transportation to market of all produce, and the lution in the minds as it is destined to produce in rich natural sources of manure which abound spirit of enquiry, and that knowledge which the circumstances of men,—it is to aid this new here, such as numerous shell banks, abundant tends to improve habits of industry and regular disposition that our exertions are to be direct-drifts of sea weed, commonly, though improperly occupation, and to increase the comforts and called sea ooze, rich salt marshes, vegetable conveniences of life, and to banish penury and Taking a geographical view of the country we matter mixing for years with vegetable mould, idleness, is the most important that nien can acinhabit, it seems in its location to be out of the that for centuries have been filling up the heads quire. way, and is therefore but little known. The of our innumerable creeks, coves, &c. the fergreat thoroughfare from North to South passes tilizing ooze in the bottoms of our salt water be found not only to tend directly to the end aimalong our Northern frontier, and those who trav-creeks, together with abundant marl banks al-ed at, but they will be in themselves the most el the great Post Road through the Eastern ready opened, and more of which are daily eve-delightful agencies of giving to social life a long Shore will be enabled to form but a very imper-ry where discovered, must of themselves give lost intercourse, of directing talent and enter-fect opinion of the character of our country—for the Eastern Shore of Maryland a superiority prise to new channels, and of making rural life the Eastern Shore, like all other well watered over other tracts of country, as they constitute what it ought to be, a scene of independent interior the least so—but that portion intersected by waters constitutes four-fifths of the whole, so that travellers by public conveyance be added the considerations, that in purchasing are wholly unable to judge of the quality of our lands or the character of our neonle. It is to waste lands, all being easily made tilled and a native enquiry after knowledge.

Should our brother farmers on the Eastern Shore to new channels, and of making rural life what it ought to be, a scene of independent industry and domestic comfort, of social enjoyment and an active enquiry after knowledge.

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Should our brother farmers on the Eastern Shore to new channels, and of making rural life what it ought to be, a scene of independent industry and domestic comfort, of social enjoyment and an active enquiry after knowledge.

Should our brother farmers on the Eastern Shore co-operate with us and form boards of Agriculture in their respective counties, an anlands or the character of our people. It is to this cause, and to the existence of negro slavery that we must attribute the slow increase of political among us—for as the latter of these has little or no expense from the salt waters which solution. carried much emigration from us, seeing how intersect almost all of the lands—a fair judgment the lands were held and tilled, so both have conmust award to this country more natural advanspired to prevent emigration to us. Thus lands tages than to any other; and further, that it is decidedly of opinion, that the resolutions ought ave continued to be held in large farms to the destruction of the lands themselves, to the loss of their proprietors, and to the exclusion of an of the exclusion of the ex

It is with no little contrition that we look back ing to us. To remedy these evils is the thing upon the negligencies of which we have been As to Negro Slavery, this is an evil for the a bounteous Providence has thus bestowed upon continuance of which we are not responsible un- us- but it is a truth founded in the history of the cerned. The other impediments are more eased through more thriving times, we are now in sily and speedily removed. By encouraging the spirit to pursue the system mands exertion, without which no man can of manuring, you will necessarily diminish at sustain himseli, without which men must sink. once the extent of cultivation by each individual, It is to this seeming calamity which in the end and as labour with us is rather limited, this will will be found to have been the utmost benefithrow much land out of cultivation that will re-cence, that we are indebted for that active ex-

We cannot doubt out that our brother farmers tation to market, from the various and abundant in the different counties of our shore will cordial-Driven by shame and imminent poverty from natural sources of manures, from the evenness ly unite with us in developing the resources of our that execrable system of destroying our lands, of its surface, its freedom from rock, stone, or hill country and in making known its advantages. that exectable system of destroying our lands, of its affect, its freedom from rock, stone, or him country and in making known its advantages. A sense of philanthropy and devotion to the land the efficacy and indispensable utility of manures, sily and profitably cultivated, is destined to arrange and the enquiry, characterized by better judgment and reflection, is prevalent abroad "How lence, and needs nothing but an immediate diminate the interest of this undertaking, will need an open and reflection, is prevalent abroad "How lence, and needs nothing but an immediate diminate the interest of the form of the love of fame, and the love industriants white inhabitants to attain that every large the country and in making known its advantages. A sense of philanthropy and devotion to the land we live in, as well as the personal interest they all feel in the success of this undertaking, will we are persuaded stimulate their exertions in so worthy a cause. The love of fame, and the love what can we most easily convert to that purpose industrious white inhabitants to attain that ex- of profit, are the strongest incentives to exertion known to man, and they are both blended in

To gain knowledge you must first institute a idleness, is the most important that nien can ac-

Upon the best consideration therefore that your Committee can give these subjects, they are

to give.

The Committee above recommended was thereupon immediately appointed and consisted guilty in not improving these advantages which of Robert H. Goldsborough, Henry Holliday, Daniel Martin, Governor Stevens and Tench Tilghman.

> TO THE EDITOR OF THE AMERICAN FARMER. Edisto Island, S. C. July 22d, 1824.

SIR,-I have been directed to request, that you will insert the report, herewith transmitted, in your very valuable paper.

Very respectfully your obt. serv't.
W. B. SEABROOK, Cor. Sec. of the Agri. Soc. of St. John's, Colleton.

REPORT.

The Corresponding Secretary begs leave to require other proprietors or tenants, and these are ertion which has opened the stores of our coun-port, that experience is the only criterion by

to the deductions of reason we are indebted for sensibility. Notwithstanding this cheering and inhabitants are in the possession of considerable many of those discoveries, which have tended to satisfactory view, which has been so cursorily exalt the character of man, and to enlarge the noticed, yet, prompted by the purest motives, is scarcely an individual who does not enjoy a sphere of general knowledge. The vast improve- and influenced by those considerations which conments daily effected in every department of scicince, attest the fact of the activity of the human constrained emphatically to ask, why the most mind, and its susceptibility of indefinite expanfallacious, and unfortunately too often irreconcilable with practice. This is particularly true though, with few exceptions, in general employ-in agriculture. While prudence therefore bids ment wherever civilization exercises its benign us listen with an attentive ear to the dictates of a sound judgment, and the manifestations of genius, yet associations established with a view to use of the hoe, which can be only rendered effecthe advancement of rural economy will ever find tual by manual labour. In this instrument all our their real and permanent interests, when guided exertions seem to be concentred, to this we look and propelled by the unerring standard of practice and experience. In accordance with this ports the body. The secretary is aware, that obvious principle, the secretary has endeavoured faithfully to discharge the duties of his station. If however, his exertions have not been crowned yore, the abandonment of a common practice, with the success which may have been expected, he is consoled with the reflection, that every effort within the compass of his abilities has been used to reach the goal, where industry and zeal has effected so thorough a reformation in the inreceive their merited reward. As the period for which the officers were elected expires this day, the secretary cannot refrain from an expression of his sentiments, on several topics of weight and moment. This society has existed twelve months, and from present indications, the proudest anticipations of its founders may now be safely indulged. The dense population of Edisto, its great and increasing wealth, together with the numerous natural and moral advantages which the island enjoys, afford a better opportunity to its that this society, like a few of the institutions inhabitants to become practically acquainted which have been founded at this place, will flonwith agricultural pursuits than is probably possessed by any other section of this state. Public stability and fickleness of the people. It has also opinion has sanctioned the reputed fame of Edisto, with confidence been whispered, that, in our and has kindly attributed its flourishing condition altar, upon which should be deposited the sum of tions, with no sinister design, however, been inour experimental knowledge. Let not therefore directly made to crush it in its embryo. These the flattering hopes of our fellow citizens be disdeclarations exhibit the profundity of the mind. appointed, let not mental apathy or physical in- in no very amiable or interesting light-they porwhich we so often tread unworthily. Give her dertaking. Without these, failures are inevita- decds, none of which deserve to be mentioned the veriest pittance, allow her but occasionally to ble—with these, success is morally certain. In on the same day with this act of Miss Woodentomb her own offspring, and she will amply the distribution of Heaven's favours, this Island house" (July 19, 1823.)

stitute the incentives to action, the secretary is common and important implements of husbandry But theoretical inferences are frequently are literally unknown? The plough and harrow, and many other valuable mechanical agents, though, with few exceptions, in general employsway, are unhappily, in the lower districts of South Carolina and Georgia, superceded by the frequently time alone can break the magic spell, which binds man to habit, and that in days of was generally a task of insuperable difficulty.— The improved condition of society, however, arising from the extended diffosion of knowledge, tellectual world, that the passage which leads to the temple of truth is no longer dark and dubious. The lamp of education now illumines the way.— May the hope then be expressed, that the period is rapidly approaching, when the operations of the husbandman will be greatly facilitated by the aid of those mechanical powers, which the elforts of genius have created. One other consideration merits a marked and serious attention. It has been tauntingly affirmed, and gravely reiterated, peculiar situation, no advantages can be derived and has kindly attributed its host. So the skill and nuwcaried assiduity of its farmers, from an agricultural association, which and into the skill and nuwcaried assiduity of its farmers, from an agricultural association, which and into the skill and nuwcaried assiduity of its farmers, from an agricultural association, which and into the skill and nuwcaried assiduity of its farmers. It is a society been on the skill and nuwcaried assiduity of its farmers. It is a society been of the skill and nuwcaried assiduity of its farmers. It is a society been of the skill and nuwcaried assiduity of its farmers. It is a society been of the skill and nuwcaried assiduity of its farmers. It is a society been of the skill and nuwcaried assiduity of its farmers. It is a society been of the skill and nuwcaried assiduity of its farmers. It is a society been of the skill and nuwcaried assiduity of its farmers. It is a society been of the skill and nuwcaried assiduity of its farmers. It is a society been of the skill and nuwcaried assiduity of its farmers. It is a society been of the skill and nuwcaried assiduity of its farmers. It is a society been of the skill and nuwcaried assiduity of its farmers. It is a society been of the skill and nuwcaried assiduity of its farmers. It is a society been of the skill and nuwcaried assiduity of its farmers. It is a society of the skill and nuwcaried assiduity of its farmers. It is a society of the skill and nuwcaried assiduity of its farmers. It is a society of the skill and nuwcaried assiduity of its farmers. It is a society of the skill and nuwcaried assiduity of its farmers. It is a society of the skill and nuwcaried assiduity of its farmers. It is a science of the skill and nuwcaried assiduity of the skill and nuwcaried assiduity of its farmers. It is a science of the skill and nuwcaried assiduity of its farmers and numcaried assiduity of the skill and numcaried assiduity of the skill and numcaried assiduity of the skill and numcaried assiduation and numcaried assiduation as a science of directly made to crush it in its embryo. These dolence lead to the humbling conclusion that our tray a gross deficiency in those elements of sound reputation is unmerited. If each member, at discretion, which are necessary to the fulfilment every regular meeting, were but to declare his of a contemplated scheme. In common life, all experience on a single point in relation to rural enterprises are undertaken with zeal and alacri-economy, a few years would constitute a fund of ty, if aided by no other power than the smiles invaluable matter, from which we may draw as and aspirations of friendship. If every attempt occasion or necessity should require. From personal observation, the secretary is warranted in or to benefit our country, be regarded as the midasserting, that the system of agriculture on this day dream of a visionary theorist, or be laughed large silver medal for the manufacture of Leg-Island is now undergoing a radical change. A few to scorn by the limited views of a sceptical phi-years since, the idea of paying an annual tribute losophy, then may we bid adieu to those improveto our Alma Mater for the precious and manifold ments which Hope pointeth out as within the grasp dustry in the manufacture in question the Goof the intellect—then will the genius of Chaos vernment have laid a duty of £3 (\$13 33) per enwrap the world in oblivion's drapery, and Bætian dozen on imported plaits, and 17s. (\$3 7) a lb. blessings she periodically presents to us, would of the intellect—then will the genius of Chaos have been deemed visionary and chimerical.— enwrap the world in oblivion's drapery, and Bætian dozen on imported plaits, and 17s. (83 7) a lb. How great and wonderful is the revolution which dulness prostrate the innate greatness of our nahas recently been effected? What a pleasing and ture. The period will then have arrived, when cent. ad valorem on the imported straw from Italy. animative spectacle is, at present, every where it would be sacrilege to assert, that man was creaexhibited! A planter dare not now jeopardise his ted in the image of his God. It may be assumed of straw and grass honnets, has engaged the reputation by implicitly relying on the native as an axiomatic principle, that no individual attention of Cobbett, who has prosecuted it with energies of the soil. He dare not invoke a blessing on his labours, while the compunctious visitualless previously determined to promote its obspresented by the same London Society, through ings of conscience remind him, that greater skill, jects to the utmost verge of his abilities. If a and more judicious efforts could have been successfully employed. He now willingly assents to the utmost verge of his abilities. If a listless languor dal value 15 guineas (\$70,) for his fine straw hat predominate, let him remain in the sphere in the salutary and encouraging truth, that of all which he moves, for the inertness of his manner tions in drawing the attention of the British publications in the sphere in the salutary and encouraging truth, that of all which he moves, for the inertness of his manner tions in drawing the attention of the British publications in the sphere in the salutary and encouraging truth, that of all which he moves, for the inertness of his manner tions in drawing the attention of the British publications. the works of the Deity, none so readily requites may generate infection. Money, knowledge and lie to the manufacture. He says very justly diligence, and rewards industry as the earth industry, constitute the perfection of every un-"thousands of pages of biography are filled with

which to attain positive results. Tis true, that repay your kindness and remunerate you for your has been peculiarly blessed-two-thirds of its wealth; and in verity, it may be said, that there is indisputably as large a proportion of sound useful information, and practical good sense, as will be necessary to effectuate any purpose or design, which we shall ever be disposed to execute. is not essential that our communications should be drafted with classical purity or logical precision; or that they should be couched in the language of the accomplished academician. A homelier garb accords as well with our feelings, and the objects of an unassuming profession. No man should ever be ashamed of placing his mite on the altar of the public good—diffidence and a reluctant timidity should never restrain the expression of opinions, predicated on experience, or offered as theoretical suggestions. A single fact, in plain and humble prose, the offspring of a pure heart, will ever be as acceptable as a thousand well turned periods, decorated in all the pomp of rhetorical embellishment. It would thus appear, that there is no deficiency in the two most indispensable requisities on which the usefulness and permanency of an institution essentially depends. It zeal and industry be now our determination—if we are resolved to break the talismanic wand of indifference, and to arouse from our lethargy, it needs not the aid of prophesy to foretel, that a happy issue to our labours will be our certain and sweet reward. That this society may flourish beyond our most sanguine anticipations—that it may tend to ameliorate our condition, and to promote the prosperity of our beloved country, is the reiterated prayer of one who will never cease to devote his time and humble talents to aid the great cause of agriculture and domestic economy.

All which is respectfully submitted.

W. B. SEABROOK.

Edisto Island, S. C. July 14th, 1824.

Thus we see, that although one of the two ladies who made the important discovery of the conversion of a native grass into a costly bonnet. was suffered to pass with empty praise, by all the patriotic Societies in the United States, her labours have been made one source of national wealth to England, and that from a consciousness of their importance, and as a grateful re-turn for her liberality of conduct, she has been generously rewarded by the London Society. We see also that Mr. Parry, one of their own countrymen, has been complimented with the horn plat, from straw imported from Italy: and lastly, to prevent all interference with home in-

The business of promoting the manufacture

they evince most clearly how little the enemies of by the articles constituting those returns. the New Tariff are authorised in saying, as they daily do, and as they themselves did in their methis plain common sense way; all they look to is of two millions, four hundred and fifty-five thou-

The first thing done by Cobbett, was to search Miss Woodhouse to the London Society, and be introduced,* or the causing of one Leghorn hat five hundred and forty-two thousand, three huntred to be kept out by an English one, are ten thou-dred and twenty-five dollars. Between the es as of that country, in order to see whether sand times more value to the country, than the years mentioned above, there have been one they would not answer equally well with the library of the late King, which is to cost the na- hundred and thirty-cight companies incorporated, American species. He says (July 18, 1823,) that tion torty thousand pounds for a place to put it in, with an authorised capital of twenty-one millions, he had found the American grass, and had just This is a much more sound doctrine than the and forty-nine thousand dollars; and since the then cut and bleached plants of it in his little hackneyed and common-place saying of Dean last named year there have been twenty-three cow pasture at Kensington, his present place of re- Swift, respecting the merit of a man in making added to the number, with an authorised aggre-

imported into England from Leghorn, during the cieties for colonizing the blacks, for converting hundred and twenty-two dollars. No factories or years 1820, '21, '22, and down to April, 1823, was the people of India and China to christianity, or manufacturing establishments are incorporated for "ameliorating the condition of the Jews" in in that State. The duty upon each hat was 5 shillings and eight Europe, and for coaxing them to come to the In Connecticut the annual value of such artipence sterling. The whole amount of duty on United States, a country which furnishes so small cles is two millions, four hundred and twenty-the above number of hats was therefore \$461,427 a scope for the indulgence of their prevailing nine thousand, two hundred and four dollars; and are wanted in South America, the West Indies, less, and certainly impracticable projects, when deed and twenty-five dollars. The number of and the United States, only think of the magnissuch a noble object as the encouragement of incorporations within the specified time is thirty-tude of the thing! not less than five millions of the straw and grass bonnet manufactory, exists seven, with an aggregate authorised capital of straw hats. (Jan. 21, 1823.) "It would be no remains unattended to. trifling thing to take this article of Leghorn hats A friend to Ag out of our custom-house books; but this is a trifle, compared to the extension of the manufacture; to the introducing of it into houses and families; to the making it the means of employing NOW ACTUALLY WROUGHT IN THE UNITED STATES, and of feeding without pauperism, a large portion of the labouring people. Colbert was immortalized on account of his encouragement of For the following abstract we are indebted to the The number of companies chartered within the certain manufactures. I am greatly deceived if he ever encouraged any thing of greater importance to France, than this is to England."

the foreign trade in those articles in England the great source of revenue; yet, we see, the fear of vailing and commendable policy of the govern-ment, and the patriots of England, of protecting home-industry; because they know, that unless the poor support themselves by labour, they must be supported by the public; and experience has taught them, that poverty and increase of crimes dredand forty-eight dollars annually; and the hundred and nineteen dollars; with an invested are closely connected. They also know that it is of much more importance to provide employment where they are manufactured, is four hundred and five thousand, four hundred and ninety-five dolfor poor women and children in England, than to thirty nine thousand, eight hundred and eight lars; and within the specified period thirteen add to the national coffers by duties paid for a dollars. There have been no manufacturing es- companies have been incorporated, with an agforeign fabric, which can be made at home; and tablishments incorporated in that State, between gregate capital of two millions, three hundred that what the revenue loses by the cessa-the years 1800 and 1820. tion of the importation of the bonnets will be

morial to Congress against it, "that the states- present revenue, and are indifferent to the appal-sand dollars. Since 1820 there have been compamen of the old world are relaxing the rigour of ing spectacle of 25,000 women and children nies incorporated with an aggregate authorised their own systems, and yielding themselves to thrown out of employ, in consequence of the copital of five millions eight hundred and thirty the rational doctrine, that national wealth is best domestic manufactures of bonnets being suspend-thousand dollars.

he had made some as bright as Miss Woodhouse I will fearlessly assert in like manner, that the forty thousand dollars.

ever made; some of it was as fine as the hair of her keeping 25,000 women and children at work, In Rhode Island, the annual value of such head."—One of his correspondents, a Mr. Clarke, (who will be thrown out of employ by the demanufactured articles is eight hundred and made some beautiful plat from the sweet vernul struction of the bonnet manufactory in New Eng seventy-eight thousand, five hundred and fifty The official return of the number of straw hats the people of the United States, than all the So-millions, one hundred and seven thousand, two

Manufactures.

---DOMESTIC MANUFACTURES

Delaware Gazette.

Domestic Manufactures .- An attentive unlimited as to the amount of their capital. friend at Washington has put us in possession of a Now, on the supposition that Cobbett, aided copy of the "Report of the Secretary of State of is four millions, eight hundred and forty-four by the Society for the encouragement of arts, such articles manufactured in the United States thousand three hundred and eighty-seven doland by the governmental duty on imported Leg- as would be liable to duties if imported from fo- lars; and the amount of invested capital seven horns and straw plats, succeeds in making good reign countries; as also, the amount of capital millions, seven hundred and seventy-four thou-his promise to the British public, to knock up invested in each county respectively, with a sand, and forty-nine dollars. The number of invested in each county respectively, with a sand, and forty-nine dollars. The number of schedule of factories incorporated by State laws, companies chartered within the specified period, treasury of the country will be deprived of this from 1800 to 1820, inclusive; prepared in obedi-is one hundred and ninety, with an aggregate this loss does not seem to interfere with the pre- March, 1823; and occupying near two hundred four thousand dollars. Thirteen companies have octavo pages.

> Maine there are goods manufactured, on which du- seven thousand dollars. ty would be charged, if imported, to the value of four hundred and twenty-four thousand, six hun-cles is nine hundred and nineteen thousand, four

In the State of New-Hampshire, the yearly amount of such manufactures is seven hundred and forty thousand, eight hundred and ninetyfour dollars; and the amount of capital thus in

The Merchants of Salem, (Mass) probably made up by the produce of the returns for the vested is eight hundred and ninety-three thou did not know of these "doings" in England, but English bonnets exported, and by the duties paid sand, and sixty-five dollars. Within the specifi ed time there have been forty-nine companies

promoted by a free interchange of commodities ed, and by reason of the want of a foreign mar-upon principles of perfect reciprocity.

In Massachusetts, the annual value of such ma-ket and a deluge of cheap bonnets from Leghorn. Cobbett very justly says he is thoroughly con-thousand, eight hundred and sixteen dollars; and for the same grass in England, as that sent by vinced, that the causing of one new apple tree to the amount of capital invested is four millions, sidence. The same grass abounds in England, and two blades of grass grow where one grew before, gate capital of six millions, eight hundred and

land,) is of ten thousand times more importance to dollars, and the amount of capital invested is two

48. If, says Cobbett, we succeed in the manupassion: and I most sincerely regret to see amiathe amount of invested capital three millions, facture, only think of the quantity of hats that ble ladies engaging in such comparatively use-one hundred and forty-four thousand, five hundred people in this kingdom, big and little, wear those for the exertion of their benevolent talents, but five millions, five hundred and forty thousand dollars; and since the last of those years the A friend to Agriculture, Commerce and number is twelve with an aggregate authorised capital of one million, nine hundred thousand dollars.

In Vermont the annual value of such articles is seven hundred and eighty-four thousand, three hundred and forty-nine dollars; and the amount WITH THE CAPITAL EMBARKED IN THAT BRANCH of invested capital six hundred and ninety one of national industry. thousand one hundred and fifty-seven dollars. specified period is thirty-seven, most of them

In New-York the annual value of such articles ence to a resolution of the Senate, of the 1st capital of eighteen millions, three hundred and been chartered since the year 1820, with an ag-From this report it appears that in the state of gregate capital of seven hundred and ninety-

In New-Jersey, the annual value of such arti-

and sixty thousand dollars.

In Pennsylvania, the annual value of those articles is five millions, forty-nine thousand, two hundred and seventy six dollars; the invested capital six millions, three hundred and twentythree thousand, seventy-seven dollars and the number of companies incorporated within the specified period ten, with an aggregate capital of

^{*} This grass is also a native of the United States, and flowers before any other in Pennsyl vania, where it abounds on land manured by sheep. It is the authox xanthum odoratum of

^{*} Cobbett has introduced and sold grafts of nuthe botanists, so called from its odour when dried. merous American apple trees in England.

dollars.

In Delaware, the yearly value of such articles is five hundred and sixty one thousand, five hunfive hundred and fifty-seven thousand, two hun-eight hundred and thirty-five dollars.

dred and ninety-six dollars.

is one million, seven hundred and sixty-nine hundred dollars. thousand, two hundred and thirty-four dollars; specified period, sixteen companies have been and five hundred dollars.

of such articles is one hundred and sixty-three thousand, and forty dollars, and the invested capital forty-five thousand and two hundred dol-

In Virginia the yearly value of such articles is two millions, seven hundred and eight thousand and seventy-seven dollars; with an invested capital of three millions, one hundred and thirty-eight

In North Carolina the yearly value of such articles is four hundred and seventy-three thousand, six hundred and fifty-six dollars; and the invested capital three hundred and seventy-six thousand,

five hundred and eight dollars.

In South Carolina the yearly value of such arseventy-five dollars.

In Georgia the yearly value of those articles is

hundred and thirty-five dollars.

The yearly value of such articles in Alabama is one hundred and two thousand, three hundred where it is connected with vessels and nerves, by and eleven dollars; and the invested capital thirtysix thousand, five hundred and one dollars.

thousand, and twenty-five dollars.

The yearly value of such articles in Tennessee which these useful bones are frequently liable. is one million, uine hundred and twenty-four thousand, two hundred and twenty-one dollars; and the invested capital nine hundred and seventy-servable: these are separated by thin mem-

twenty-two dollars.

The yearly value of those articles in Illinois is dred and ninety-eight dollars; and the amount of inflammation, fever, &c. occasioned by the pres-invested capital seventy-four thousand, four hun-sure of the teeth in bursting through the gums. Peruvian bark, and similar tonics. dred and sixty five dollars.

one million, one hundred and fifteen thousand capital forty-one thousand, eight hundred and substances as have a tendency to mollify the gums, forty-five dollars.

articles is thirty four thousand and five hundred marsh-mallow root, &c. will be of service; or, dred dollars, and the invested capital one million, dollars; and the invested capital sixty thousand the gums may be softened and relaxed by rubbing

the amount of capital invested, five millions, six 1820 was fifty-five millions, two hundred and tions should be undertaken only by the surgeon. hundred and seventy-one thousand, eight hun- eighty-nine thousand and five hundred dollars; In cases of extreme weakness, the application of dred and thirty-seven dollars, and within the since which there has been added in the states of blisters behind the ears, or to the back, will New Hampshire, Massachusetts, Connecticut and incorporated, with an authorised capital of four New York, fifteen millions three hundred and frequently arise from crudities and obstructions millions, four hundred and sixty-six thousand sixty-seven thousand dollars, making the present in the first passages, it will be necessary to attend In the District of Columbia the yearly value six thousand, five hundred dollars.



ON THE TEETH.

The Teeth is a set of bones, situated in the upper and lower jaws, for the purpose of mastication: in adults, there are 32 in number, or 16 ly, and which are, by proper attention, or by ex-

in each jaw bone.

thousand, five hundred and seventy-seven dollars. in the following order: four in the front, termed cutting teeth, on each side of which is a sharppointed, canine, or eye-tooth; adjoining to these are five grinders on each side, the last of which ges from heat to cold (especially in taking food). is denominated the tooth of wisdom, because it seldom appears before the 25th year. The front and eye teeth are furnished with only one root ticles is seventy thousand, nine hundred and each; the two first grinders with two; and the twenty-two dollars; and the invested capital two hindmost generally with three or four; which tended its influence to the jaw-bone. Nothing hundred and eighty thousand, seven hundred and may in most persons be ascertained by the number of small tubercles on the crowns.

The tooth is divided into two principal parts; four hundred and ninety four thousand seven namely, the *crown*, which projects above the hundred and fifty-two dollars; and the invested gums; and the *root*, that is inclosed within the capital two hundred and nineteen thousand, six sockets; the crown is a hard, fine, glossy, white bain and distress. enamel, serving to defend the substance against pain and distress. external injury; the root is open at the bottom, which it receives nourishment, life and sensation.

dollars; and the invested capital thirty-three the process of dentition, or teething; and conclude with a short analysis of the diseases to

In an embryo of three or four months forma-tion, instead of the sockets, small cells are ob-

At this period, a moderate looseness, or a copi-

and, by their pressure, to facilitate the protru-In Michigan Territory the yearly value of those sion: for which purpose a piece of liquorice or them with sweet-oil, honey, or other emollients. And in the Territory of Arkansas the amount Costiveness should be removed by mild aperient In Maryland, the annual value of such articles of such invested capital is one thousand seven clysters. If, however, all these endeavours prove ineffectual, relief has often been derived from an The whole amount of authorized capital in incision made in the gum; though such operaprove beneficial; and, as distressing symptoms amount, seventy millions, six hundred and fiftysix thousand, five hundred dollars.

to this circumstance: thus, if the child be troubled with acidity and flatulence, the testaceous powder, or calcined magnesia with a few grains of rhubarb, mixed with powder of sweet-tennelseeds, will form a very useful remedy.

With respect to the diseases of the teeth, we shall mention only such as occur more frequentternal application, easily removed. From a view The teeth are of various size, being arranged of the nature and formation of the teeth, it must be evident, that whatever may tend to remove the enamel, for instance, acrid dentrifices and tinctures, hard metallic tooth-picks, sudden chanby exposing the nerve, cannot fail to produce the tooth-ach; and, in the course of time, a decay of the bone itself. There are even instances where such corruption, unless timely checked, has exhowever, contributes to injure them more certainly than uncleanliness; by which a kind of tartar is generated, that settles on the teeth, and sepa-

Cure:—As it would be a vain attempt to point out any specific by which the tooth-ach can be removed, we shall recommend only such remedies As an account of the manner in which the as are adapted to the several causes from which The yearly value of such articles in Louisiana teeth are formed may prove interesting to reflective may originate. If the patient be of a plethoric is forty-eight thousand, seven hundred and fifty ing readers, we shall proceed to state concisely habit, or the gums be considerably inflamed, reit may originate. If the patient be of a plethoric course should be had to bleeding, particularly by leeches and cupping-glasses, applied contiguous-ly to the part affected: next, blisters behind the ears, or on the nape of the neck, will be found of service. Dr. Cullen recommends vitriolic ather to be dropped on the cheek, and to hold the hand six thousand, two hundred and twenty-two dollars. branes, each of which progressively exhibits a on the part till that volatile liquor be evaporated. In Kentucky the yearly value of dutiable arti-cles manufactured is two millions, one hundred ered by the rising tooth, forming a hard coat; out intermission, a few drops of laudanum on cotand forty-one thousand, and eighty nine dollars; but the enamel appears to originate from crystal- ton, laid on the tooth, will sometimes afford reand the invested capital two millions, five hun-ized matter. During the first year, the two mid-lief. Where the bone is hollow, and decayed, it dred and seventy-five thousand, five hundred and dle front teeth in the under jaw, and shortly af- will be advisable either to have it drawn by an ter the two upper ones, become visible; they able dentist, or to resort to such substances as The yearly value of those articles in Ohio is are succeeded by the foremost front teeth. In destroy the nerve : the latter object may be efthree millions, one hundred and thirty-four thou- the commencement of the second year, the first fected by a careful application of the strong minsand, seven hundred and seventy-two dollars; and grinder on each side grows successively in the eral acids, juniper-oil, or by a red-hot wire: but the invested capital three millions, nine hundred under and upper jaws: the next in rotation are this operation, which has frequently produced and fifty-five thousand, eight hundred and thirtythe canine or corner teeth, and finally, about the the desired effect, ought never to be entrusted to
nine dollars.

The tooth-ach often pro-The yearly value of those articles in Indiana is on each side. About the seventh year, all these ceeds from affections or debility of the stomach; one hundred and forty-two thousand, six hundred teeth are, by an effort of Nature, gradually reamd ninety-two dollars; and the invested capital placed by a new set, to which are joined, in the toms of indigestion, such as loss of appetite, nauone hundred and fifty thousand seven hundred and renth or eleventh year, another grinder, and at a sea, vomiting, and head-ach, with this peculiar fifty-four dollars. During the progress of dentition, children are regular periods. In such case, relief can only be one hundred and twenty-six thousand, four hun-subject to various affections, such as convulsions, expected from a proper use of emetics, and mild

Another source of these affections, is an irre-In Missouri the yearly value of those articles is ous flow of saliva, are, in general, favourable gular disposition, or arrangement especially of the one hundred and sixty thousand, four hundred signs. With a view to promote the latter, it will front teeth, and mostly in the second set. It may and ninetecn dollars; and the amount of invested be advisable to let the child chew or gnaw such proceed either from some of the first set having

cond has appeared, from a want of space in the procure for you without scarcely any trouble, But I must leave these speculations, and give you jaw-bone, or from mal-conformation. In these thirty or forty, provided you inform me any time some facts which I find entered on my memorancases, the only effectual remedy is that of ex- before the middle of September next, which I tracting such of the teeth as, by their situation, shall take much pleasure in doing, in as much as ducing some of my brother farmers to abandon obstruct their neighbours, and sometimes occasion liel somewhat interested, in the encouragement the slovenly and ruinous method of planting considerable distress.

lence, they may again be fixed, by pressing them the Materia Medica, but those likewise, that are subject, my object would be fully accomplished. firmly into the sockets, and preserving them in that situation either by a silk or other ligature attached to the adjoining tooth: the patient, however, ought to subsist entirely on sponn-meat, or other soit and liquid food, till the desired effect be attained. But, where this separation arises from a sponginess or weakness in the gums, mild astringents, such as a solution of alum and sugar, tincture of bark, catechu, &c. will serve to consolidate the surrounding parts.

For cleansing and preserving the teeth, burnt bread, or bark, applied by the small finger, or on a piece of calico, will be found a safe and useful dentrifice.—Tegg's Book of Utility.

0. ON THE

ANNONA TRILOBA OF LINNÆUS,

Communicated in a letter, to the Editor of the American Farmer, by William Zollickoffer, M. D. corresponding member of the Medico-Botanical Society of London.

DEAR SIR—There is a species of Annona that is indigenous to the United States, and which I am disposed to conclude, would be well worthy of the notice and attention of the horticulturist. This is the Annona Triloba of Linnaus; which is recognized, by the common and local appellations of papaw, or custard-apple. It is a small, to the length of 5 or 6 inches, and about as thick on this field, nor was it so well worked otherwise. although an highly ornamental tree, that delights as a man's rist—we have tasted but never eat of I found that five dollars and fifty cents per acre in a rich and prolific soil, and is generally found it, though it might, no doubt, be used as an escu-covered all expense. This sum multiplied by 25, growing in valleys and low grounds, and in the lent in some shape.]-Ed. Am. Far. vicinity of rivulets; but more frequently in the neighbourhood of creeks. The fruit of this tree, assumes when arrived to a state of perfection, rather a purplish hue externally, and that of a deep yellow internally. This is rather eggshaped, and is excellent, and by many justly pronounced to be very delicious. The largest, that I recollect of having seen, weighed from four to five ounces.

ticularly confined to the western section of our any thing else, I took memorandums of the state country; where I am informed it may be seen of improvement and progress of agriculture, in growing in some situations in very great abun- the different quarters of the county; and was not in a strong point of view the difference between growing in some situations in very great abundance. I have also been told, that those who reside in the neighbourhood of situations in which it is found, are well aware of its esculent an nutricious qualities. The only places in which I have observed it in this state, is along the water courses of the Big and Little Pipetoreeks and that of the Monocacy; where within the course of the Monocacy; where within the course of the scircums which I have observed it in this state, is along the water courses of the Monocacy; where within the circums where the farms and other amount to \$12.50!!" A very considerable adcreeks and that of the Monocacy; where within the circums were in the best order, the greatest dition might justly be made to the above difference between the difference personnel as the difference pe prune.

self of the advantage, of procuring a quantity of the seed, as well as some of the fruit, which I the very persons, for whose benefit it was orgashall do myself the pleasure of presenting to you. It is very probable that I may also send you, at vantages!—That this society has, in no inconsi-the most suitable time for transplanting, a few of derable degree, met the laudable views of the practical man who will take the trouble to exthe young trees, as frequent opportunities offer. government in chartering it, no disinterested man amine them.

been suffered to remain in the jaw after the se-idesire to have one or two of them, I think I can and the last exhibition will for a moment denv. of the cultivation, not only of our native vegeta-large, poor fields with corn, without manure.— It the teeth should be loosened by external vio-ble productions, that more properly belong to Should these hints lead to an investigation of the strictly included in the Materia Alimentaria.

I am, dear sir, your's respectfully, WM. ZOLLICKOFFER.

Middleburg, Md. 21st July, 1824.

remarks in relation to the modus operandi of to Mr. B. containing only six acres. On a careful gypsum or sulphate of lime. Mr. Somerville's examination, I estimated it at seventy-five bushels ideas on this subject, although fluently written, per acre. This multiplied by six (the number are not, I think, correct. As to the sulphate of of acres) gives 450 bushels, at 25 cents, is \$112 50 lime, producing its effects upon the principle of its septical powers, is in my opinion a very inconsonable wages for breaking up, manursistent notion. If this were the case, why had it ing, planting, harrowing, hoeing, ploughnot this effect upon the low ground, that had ing, gathering and husking, that eight washed from the hills or elevated spots, which dollars per acre covered all expenses. must of course have contained, a greater quantum This, for the field, come to of dead vegetable matter, than the situations I estimated the rent, taxes and from which it had been washed? Mr. S. cannot repairs for fences, at \$2per acre, \$12 00 account for this circumstance which I think a very conclusive argument to battle down his position entirely.

Should I not be too much engaged in professional business, I shall send you the piece on this subject, by Saturday week.

Your's, &c. W.Z.

From the Examiner, Washington, Penn. May 1, 1824.

DIFFERENCE BETWEEN

GOOD AND BAD FARMING.

During the last summer and fall, my business cents per bushel, led me to take several rides through different This species of Annona is, perhaps, more par- parts of this county. As much for amusement as Should, however, any of your friends express a that witnessed the difference between the first

Investigation and research is the high road to improvement.

Extract from Memorandums.

"In township my attention was arrested DEAR STR-J have this day commenced some by a small but beautiful field of corn, belonging

60 00

Leaving a clear profit to Mr. B. of

852 50

"During the same week, in another part of the county, I noticed a field, belonging to Mr. C. of a very different description. It contained twenty-five acres, and was estimated at 15 bushels [The papaw is very common in the swamps in per acre; which I afterwards learned was more the lower counties of this state. The fruit grows than it actually yielded. There was no manure the number of acres, comes to \$137 50

Add rent, taxes, fences, &c. at 2 dollars per acre,

187 50

Deduct from this sum ninety-three dollars and seventy-five cents, the price of 375 bushels, which is the produce of the field, at 15 bushels per acre, and at 25

893 75

93 75

Leaving an actual loss to Mr. C. of

These plain matter of fact calculations, place creeks and that of the Monocacy; where within the circumscribed limits of an acre of ground, several bushels of the fruit may frequently be procured in the proper season. This fruit may, I think, be justly considered far superior in point of delicacy of flavour to that of the Plantain or Banana Tree, which is a native of the West This proves the correctness of an old saying—Indics. It may be eaten, both in its recent and dried state, in the latter of which, I am confident, it will be found a valuable substitute for the proventing and the substitute for the proventing the best order, the greatest dition might justly be made to the above difference between the two fields of B's land, being in a rapid twee to be found. And on the other hand, in those neighborhoods where the farms were in the clover, whilst C's land was rapidly getting proventing the proventing and the same quality. Every of the more we really need information, the less about in proportion to the corn; but could not be about in proportion to the corn; but could not be so well made a matter of plain calculation. Does not this in part at least, account for some families. rune. Vious truth than the above. We here see a so-not this in part at least, account for some families If spared until the ensuing fall, I shall avail my-ciety, honorably and liberally patronized by the becoming bankrupts and beggars on good farms,

A FARMER.

From the Christian Almanac.

FARMERS' CALENDAR .- July.

While you celebrate the independence of your gratitude, not by rioting and excess, but by offering to Him the incense of your heart. And while you thank him that you cultivate the soil of Freerious liberty" of his "children."

Now give every attention to your dairy .- Vessels of lead, copper and brass, contain poisonous qualities, and should not be used much for milk. Look to your summer schools, and let the inteach them, by her example, to be good. Remember the poor widow and orphan, and impart

to them a portion from your stores.

the sun, and mow while the dew is on; mow them into your compost.

will do better to be sheared in July, and that sugar or syrup.

The Shea tree from which the Africans obtain

their wool will be better the next spring.

Extract from observations of Mr. Thomas M Call, published in the Southern Recorder.

have become more temperate; in and near be pleasant to our industrious house-wives to Charleston, South Carolina, it is otherwise—the have an annual crop of butter from the orchard sweet orange was once a common inhabitant near of fruit trees. Charleston; the climate becoming colder, the orange has removed farther south, except in very sheltered situations. The precise degree of cold that the sweet orange tree will bear, is not known-perhaps not much below 30 degrees if of long continuance; the sour orange is more hardy, and the citron and lime are less so.

The coffee tree will, probably not hear a degree of cold equal to 41°, which produces white frost. This plant delights in a hilly country; a level rich soil causes the plant to run much into suckers, and the seeds are of bad quality, as has been proved at English Naparina, in the Island 25of Trinidad, where the planters neglected it, and

destroyed the plantations before 1796.

The Olive tree perfects its fruit as far north as the Duchy of Milan.-The city of Milan is in lat. 45, 28, N.; the medium temperature of its climate cold is not known. This is the coldest clithe plant will hear; perhaps not greater than 17 degrees, at which the sap of trees begins to congeal. The Olive would be valuable in Georgia; the young plants should be imported by our government, as it would be too expensive for private cts .-- Pork, Mcss, \$15 50-Ditto Prime, \$12-

in the stomach of the turkey, which divests them Feathers, 35 cts.—New Wool, 30 to 35 cts.—Meof their oil, and fits them for reproduction: it is rino full blooded 35 to 40 cts.- 1 do. 30 to 85 cts. said, that by mashing the skin and flesh of the country, be grateful to God; and express your fruit, and digesting them in a solution of alkali, per cent. more when well washed on the sheep answers the purpose.

The greater Palm or Date tree, the fruit of which is greatly valued as a food for man in north- wanted-Red, from \$8 to \$12 do .- Brown, \$4 to dom, pray that all may be brought into the "glo- ern Africa, Arabia and Persia, would probably answer a similar purpose in most parts of Georgia; but we have no information of the degree of

cold that it will bear.

The Sugar-cane perfects its saccharine maturity in Georgia, as far north as Milledgeville, in structress, to whom you commit your little ones, lat. 33, and perhaps further. The season for manufacturing the sugar is so short, that it has not yet been attempted as a crop, except on the sea board. But, by digging up the canes with a Much hard work is to be done this month.— part of the roots, and laying them in mattresses Drink neither too much hot rum, or cold water. covered with their own foliage before the frost Make not having and harvest an excuse for in- comes on, would lengthen the manufacturing seatemperance, but eat and drink in order to live, son, and increase the sweetness of the juice; and and not live merely to eat and drink. Rise before when the freezing weather sets in, if additional covering of earth were added, it might be promorning and evening, and make hay, and get it longed until March. The saccharine maturity of in, while the sun shines. Be regular, temperate, the cane is indicated when the expressed juice industrious, but not violent—and your harvest will raise the hydrometer of Beaume for Pese lity. will be gathered earlier and better than your syrups to the 5th degree, which is 31 per cent. neighbour Thirsty's; and when harvest is over, heavier than common water, or specific gravity you will not have the rheumatism. Let your nearly 1,035, when two gallons of juice will make corn be hoed the third time before it is spindled; a pound of sugar;—when the juice will raise the do not make too high hills around it, lest you hydrometer to 8 or perhaps nine degrees, one keep off the sun and rain from the roots. Put a gallon will make a pound. An acre of ground, handful of ashes around the hill, previous to the properly prepared with manure, would yield a second hoeing. If weeds are going to seed in sufficiency of sugar and syrup for a large family, your barn yards and gardens, cut them and put and a sufficiency of canes to plant the succeeding crop. In the West Indies, the saccharine matu-Mothers may see that herbs are gathered while rity of the sugar cane is perfected by the long the manners and customs as materially differ in their bloom. Say what you will, a bowl of season of dry weather; in Louisiana, Florida and from those of England:—Also an account of the herb drink, with a mother's care, will often save Georgia, it is perfected by the cold weather of you from a fever, and the expense of a doctor's autumn and winter; when the cold is enough to bill. It is said on good authority, that early lambs freeze the cane, it renders the juice unfit to make turn of the present state of the people of France.

an excellent butter, as we are informed by Park, and by the Africans themselves, would probably be valuable in some of our warmest climates. If Bliss, and E. White, New-York, in Boards, duodesome of our national ships would procure, when cimo. The climate of several countries are known to on that coast, a few of the plants of the Shcachange. In Germany and England, the climates Butter tree, and bring them over to us, it would have become more temperate; in and near be pleasant to our industrious house-wives to

THE FARMER.

BALTIMORE, FRIDAY, AUGUST 13, 1824.

PRICES OF COUNTRY PRODUCE—carefully collected every Thursday, for the American Farmer. By ROGERS & STMINGTON.

Flour, Howard St., \$5 12\frac{1}{2}\$, wagon price—Do. Susquehannah, \$5\$, cargo price—Do. Wharf \$5 25—Do. Rye, \$2 a \$2 75—Corn Meal, per brl. \$2 White Beans, none—Whiskey, 27 cts.—Apple Brandy, 35 cts—Peach do. \$1.—Herrings, No. 1, \$2 a \$2 25- No. 2, \$1 87 \(\frac{1}{2} \)—-Do. Old, No. 1, \$1 mate in which the Olive tree is cultivated in Eu. 50—Ditto ditto No. 2, \$1 25—Shad, trimmed, \$6 rope. It is not understood what degree of cold 75—Do. Untrimmed, \$5 75—Ginseng, out of season-Linseed Oil, 65 cents.-Clover Seed, out of season-Flax Seed, rough, 75 cents per bushel-Timothy, Do. out of season-Hay, per ton, \$10-Flax, 10 cts.—Candles, Mould, 121 cts.—Soap, 7

adventure. The seeds will not germinate, until Butter, 7 cts. to 14 cts.—Lard, 9 cts.—Bacon, they have passed through the digestive process 6 a 7 cts.—Leather, Best Sole, 24 to 27 cts.— -1 do, 25 to 28 cts.—Common, 20 to 25 cts.—25 and free from tags.

TOBACCO-Yellow, from \$20 to \$45, scarce and \$6 do.-Dark, \$2 to \$4 do. dull-Green, frosted.

\$1 to \$2 do. not wanted.

IMPROVED SHORT HORN CATTLE.

We congratulate our agriculturists on the accession of a remarkably fine bull calf, and yearling heifer of this valuable breed, imported in the ship Franklin, Gapt, Graham.—They are of nuusu ally fine form, and in excellent condition, considering their voyage. They were purchased from Lady Groward's estate.—They are now to be seen at the farm of D. Williamson, Jr. Esq.

Overseer Wanted.

I wish to employ a single Man in the capacity of Overseer—he will be required to produce sa tisfactory reference as to character and capabi-

JNO. C. MOALE, Near Ellicott's Patansco Mills.

A RIDE OF

Eight hundred miles in France.

Containing a sketch of the face of the country, of its Rural Economy, of the towns and villages, of manufactures and trade, and of such of prices of land, house-fuel, food, raiment, la-

To which is added, a General View of the Fi-

The American Gardener:

Or a treatise on the situation, soil, fencing and laying out of Gardens: on the making and management of hot beds and green houses; and on the propagation and cultivation of the several sorts of vegetables, herbs, fruits, and flowers. By WILLIAM COBBETT.

A London stereotype edition; in boards, duodecimo-500 copies just received and for sale, by E. BLISS, and E. WHITE, NEW-YORK.

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Printed every Fedday at \$4 per annum, for JOHN S, SKINNER, Editor, by JOSEPH RORINSON on the North West corner of Market and Belvidere streets, Baltimore; where every description of Book and Job Printing it executed with nearness and dispatch—Orders from a distance for PRINTING or BINDING, with proper directions promptly attended to, addressed to J. Robinson, Baltimores

ON A VISIT TO SARATOGA, -NO. 111.

Philadelphia; and was designed, chiefly, to give figure, eye, and motion, the most exquisitely depractice, without theory, did not produce any you some idea of the extent, plan, power, and licate, beautiful and spirited animals I ever saw. lasting benefits, and was very expensive without beneficent effects, of the great Water Works At 10 A. M. we left New York in the "Chancel- any great results. The artillery and engineers at Fair Mount, for supplying that city with water. Ior Kent" steam boat, together with the "Olive If farmers have read it with indifference, it was because of the inadequacy of the description; chancery decision touches pro forma on the Jerfor no one could view them without a feeling of sey shore. These two boats contained not less purpose, and although it provided tolerable arrhomage to the genius that so happily conceived, than 600 passengers. The Kent is a boat of imtillerists, it did not furnish any skilful engineers; homage to the genius that so happiny conceived, than oov passengers. The Kent is a boat of this and the skill that so well executed, the design.

These works might serve as a subject for the painter, who would illustrate the progress of pense to Albany was then but \$2, it has since science, and the vast transcendency of cultivated been raised to \$4 by the original line, and the intellect, over the hebetated mind of the untutor-opposition promptly followed suit. Between 4 as well as disappointment, as very few of the control o ed savage.

Between Philadelphia and this place, there are numerous objects which cannot fail to attract your or pleasure, who is borne along with the swollen current and velocity of modern travelling in steam boats, without turning to the right or to the left for more deliberate observation, will gather but little to edify the enquiring Agriculturist. The merely transient glimpse of a beautiful farm, waving with luxuriant crops, imparts no practical her finest specimens of the sublime and the neers and a Military Academy at West Point, and lesson; that is only to be learned by examination picturesque. With me, however, the moral as-of the soil, and by catechising its manager through sociations of West Point preponderated over the engineers. The first organization of the Militaof the soil, and by catechising its manager through all the modes and tenses; to ascertain the time of his sowing and quantity of seed; the quantity and kind of manure; the process of cultivation,

We left Philadelphia at 6 A. M. and at 51 P. M. arrived in New York, by what is called the citizen's coach line; passing in our way, near to the accomplished André, the incorruptible fideli-Bordentown, the beautiful residence of Joseph ty of Williams, Paulding, and Van Wert, and the lieutenants, and ten cadets with the pay of sixteen Buonaparte, ex-king of Spain; who has, like a Cato-like firmness of Washington; and I was dollars per month, and two rations per day. This sensible man, and with that philosophy of temper which robs adversity of its sting, sought that hap-piness in the rural walks of a free and tolerant country, which is not to be found amidst the splendour and cares of royalty—whether usurped now, or "legitimate," because—usurped long ago.

The expense of travelling from Philadelphia to New York was, steam boat and stage Fare \$2 50, breakfast and dinner \$1-total \$350-distance 103 miles.

As my pleasure is to see, and my object to describe the country, rather than cities, I shall say nothing of New York, its fine harbour, its gilded spires, its publick edifices, and numerous accommodations for the pious or the wicked; the voto remember and to emulate the valour and the the cadets of engineers and artillerists amounting taries of literature or the slaves of sensuality .-An excursion to the Navy Yard at Brooklyn, under the kind attentions and favourable guidance of Capt. B. of the navy, occupied the most agreeable hours passed in this great and growing Liver-pool of America. We were on board of the Washington 74, the second American ship of her class, that ever displayed the "star spangled banner" on the shores of Europe; when she bore, on his double mission to Naples and Russia, the illustrious PINKNEY, of whom I may repeat, as to the force of his eloquence, what has been said of an orator not his equal.

"With the skill of an Orpheus to soften the brute, "With the fire of Prometheus to kindle mankind;

Even tyranny listening, sat silent and mute,
"And corruption sunk scorch'd from the glance of his mind."

At Brooklyn too, we saw with a feeling of veneration, "old IRON SIDES" reposing on her laurels, as if satisfied with having dispelled the origin, rise, and progress, which I do not remempresent secretary of war, added to the staff, 2 charm of British naval invincibility, and demonder to have any where seen distinctly stated, and surgeon to perform the duty of professor of chestrated the mural truth, that, other circumstances fortunately I met with an old officer who had long mistry, mineralogy, and geology, with an assistant equal, the shirit of conscious freedom alone, can been a member of the institution, and from whom taken from the graduates of the institution. The give that supernatural animation to the heart, I learned that the Military Academy was first chaplain to perform the duties of professor of VOL. 6 -22.

OBSERVATIONS OF A CORRESPONDENT, and to the arm that clasticity of nerve, which established in 1802, under the administration of NATIONS OF A CORRESPONDENT, death only can vanquish. Here also we saw on President Jefferson. Previous to that period, the lawn a pair of South American Lamas and a several attempts were made to form a Military pair of Gazelles. The latter are the property of Academy at West Point for the instruction of the My last letter to you was written, I believe, at Captain Wolcott Channey, and are, in colour, artillery officers and men, but it was found that and 5 P. M. we landed at West Point, remained foreign engineers employed were found to be bettwo entire days, stopped again at Catskill, where ter than our own. Mr. Jefferson conceiving it of we ascended the mountain 3000 feet above the the first importance to provide for the gradual regard, and admiration; but the tourist for health, tide. No stranger should visit this part of the defence of the country in times of peace, and be-

country without halting at these places.

virtues of those who reared them.

whence the rays of the most useful sciences dithousand volumes, the agreeable society and mathematics, with one assistant; and a sword grateful attentions of the officers and their families, the enchanting musick, especially of Mr. establishment of the academick staff; and the Willis' Kent bugle, &c. but these are themes, cadets of the several regiments and corps, were to which, if it were easy to do justice it would be

"AMERICAN FARMER."

ment, I felt anxious to ascertain with certainty its for fulfilling the objects of the institution, the

ing satisfied from past experience, that we must re-I have no talent at description, nor would your ly for the defence of our country on our own citi-agricultural readers excuse me for occupying zens, recommended to Congress a new organizayour columns with a sketch of the seenery on the tion of the army and an act was passed on the 16thbanks of this noble river; where nature seems to of April, 1802, fixing the military peace establish-have concentrated, with lavish and partial hand, ment; in which it provides for a corps of Engiadmiration its natural beauties excited. My ry Academy provided for one principal engineer mind recurred involuntarily to the memorable in- with the pay, rank and emoluments of a major, cidents of the revolution connected with the two assistant engineers with the pay, rank and scenes around me: I could not but remember the emoluments of a captain, two other assistant enbold and reckless treason of the avaricious Ar-nold; the romantic and ill starred enterprise of first lieutenants, and two other assistant engineers almost ready to conclude, that the Deity himself corps so organized formed the military academy. The land selected the sublime grandeur of this, then, uncultivated wilderness, as an appropriate theatre, where the human soul might conceive its boldest designs, and display its highest passions. There appears too to be a peculiar fitness in defour captains, four first and four second licutentics of the second licutential four second licutentials. dicating it now, to the cultivation of the sciences, ants; and that promotions should be made in the and especially to the study of the art of military said corps with a view to particular merit with-defences. There is said to be a secret charm out regard to rank, and also that the senior offi-pervading mountain scenery which fosters the cer of the corps of engineers, should be the sulove of freedom, and the very ruins of the old perintendent of the military academy; and in his battlements that still crown the surrounding absence the next in rank. Shortly after a heights of West Point, serve as so many monn- teacher of the French language, and a teacher of rtues of those who reared them.

Were the topick suited to your journal, I might struction. The officers of engineers were then here dwell upon the exact discipline, the enlight-ened system, and valuable objects of instruction continued to do so until the year 1811, when an which characterise this national school as a focus, act was passed for augmenting the corps of engineers to its present establishment, and for orverge through every part of our country; I might ganizing an academick staff, consisting of one descant with pleasure on the fine appearance and deportment of the Cadets, the beautiful specimens of the drawings, the noble Library of many neering, with one assistant; one professor of mens of the drawings, the noble Library of many neering, with one assistant; one professor of master, and chaplain; which is the present legal to which, if it were easy to do justice it would be sent to the military academy as students and difficult to bring within the purview of the formed into a corp of four companies under officers of the line. Finding that there were other pro-Suffice it for this occasion to state that from the fessorships necessary for the accomplishment of great interest generally taken in this establish- the courses of instruction conceived necessary

ethicks, geography and moral law; an instructor of tacticks, an experienced officer to command the corps of cadets, with two or more assistant instructors, lieutenants who had been graduated at the military academy; also an instructor of artillery. And I understand that it is contemplated to add to the establishment an instructor of cavalry, with a suitable number of horses to teach equitation and to instruct the cadets in the cavalry exercises, and those of the light or horse artillery. This last addition will complete the institution and render the school one of the most perfect of the kind in the universe. As we have no cavalry belonging to the military peace establishment, perhaps on account of the expense of maintaining the horses, and the little service which cavalry can render in time of peace, the instruction of the cadets in cavalry manœuvres and exercises, may be considered very important, as it will enable the government in time of war to have recourse to graduates of the military academy for a competent establishment of officers to form a corps of the students receive their month's pay as if in cavalry. The secretary of war has directed, we understand, a system for the cavalry to be compiled, and the work is actually in the press .-Thus this valuable institution will become the nucleous of military fame, composed of every arm necessary to forming a complete army, and will furnish at the same time, officers well in for the command of our armies, and the defence sults as I have stated, you will the better see by structed in every branch of the sciences.

Williams, whose likeness is suspended in the Library; as are also full length likenesses of Washington, and Jefferson-the latter taken recently, by Mr. Sully; and a speaking resemblance of Mr. Calhoun, with whom the academy is understood to be an object of especial favour and solicitude. In making choice from the great number that apply to be admitted as students, a preference is, and ought to be given, to the sons of Revolutionary officers, and of the deceased officers of the late war. If, unfortunately, this establishment should become subservient to the convenience of wealthy men, who can well afford to pay for the education of their sons; or should it be found most accessible to the sons or wards of men of high political stations and influence; an abuse to which some jealous politicians have apprehended it may be liable, it would deservedly lose its character, and, with its character, its existence.

The number of students is limited to 250, and none are admitted above the age of fourteen; the regular army, amounting in the year, for each, to 336 dollars, which is adequate to all expenses, and relieves their connexions from all charge for the time they remain. The whole establishment costs \$115,000 per annum. In return for this expense, the Government secures of our country, a great number of highly enlight-It went into operation under General Jonathan ened men, prepared by their habits of early and

strict subordination, to make good citizens in time of peace, and by their scientific military acquirements, to develope and wield with effect, the physical resources of the nation in time of war. In fact, we are already beginning to gather some of the valuable fruits which this well conducted establishment was designed to distribute throughout the States. It begins to furnish for our colleges, and schools, the best Professors of the exact sciences, which are here taught in their highest branches, and greatest perfection; even AGRICULTURE herself, will soon acknowledge the more direct interest which she has in the prosperity of a school which has enabled and will still further enable the Secretary of War to afford, at her call, accomplished civil engineers, tally prepared with the implements and the science, to make surveys, and digest plans for ROADS AND CANALS; those great channels so necessary and so well adapted to expedite and cheapen the transit of agricultural productions to their best markets; and to serve as the means of national defence. In short, the ways and the means of diffusing general intelligence, of amassing national power, and of providing for the common good.

That the military academy at West Point is fitted to make such men, and to secure such re-

perusal of the following

DISTRIBUTION OF STUDIES AND EMPLOYMENT OF TIME DURING THE DAY.

From dawn of dy to sun-rise.	From sun-rise to 7 oclock.	From 7 to 8.	From 8 to 11 o'clock.	From 11 to 12.	From 12 to 1 o'clock.	From 1 to 2.	From 2 to 4 o'clock,	From 4 to sun-set.	From sun-set to half hour pust.	From half h'r past sun-set to half past 9 o'clock.	From half past 9 to 10 o'clock
FIRST CLASS.											
-Police of Rooms- ms thirty minutes	Study of Engineering and the Military Art.	Class Parade at 8.	Recitations and Drawing relative to Engineering and the Military Art.	Lectures on Eogineering and the Military Art.	Monday, Wednesday, and Friday, Lectures on Chymistry applied to the Arts, or on Mineralogy and Geology. Tuesday, Wednesday, and Friday, Study of the same subject.	o'clock.	Study and Recitations of Geography, History, Ethicks, and National Law.	at sun-set.	Signal to retire to quarters immediately after supper.	Study of Engineering and the Militury Art.	fter Tattoo. at 10 o'clock.
deveille of Roo	SECOND CLASS. 25 Second Control of the secon										
Roll-call immediately after Reveillé—Police of Room outrements, &cInspection of Rooms thirty minutes after Roll-call.	Study of Natural and Experiment'l Philusophy.		Recitations in Natural & Experimental Philosophy.	Lectures on Natural & Experiment?l Philosophy.	Tuesday, Thursday, and Saturday, Lectures on Chemistry. Monday, Wednesday, and Friday, Study of the same subject.	ecreation from Dinn	Drawing of Landscape and Topography.	ss Parade and Roll-call	ss Parade and Ro	Study of Natural and Experiment? Philosophy.	-Roll
ll-call imm rements, E		ard	THIRD CLASS. §					\Dress	- (o'cloc.
Arms, Accountements,	Study of Mathematics	o'clockGu	Recitations in Mathematics.	Stu ly of Mathematics.	Recitations in French.	er at 1 o'clock	Monday, Wednesday, and Friday, drawing of the human figure, Tuesday & Thursday, Study of French.	Mitary Exer	Supper immediately after parade	Stody of Mathematics	o at half past 9 to extinguish Lig
FOURTH CLASS. ig									Tattoo at half		
Reveille at dawn Cleaning of	Study of Mathematics	Breakfast	Recitations in Mathematics.	Study of Mathematics.	Study and Recitations of French.		Study and Recitations of French.		Supperinn	Study of Mathematics.	T Sig

enforced, and as you will see, admirably adapted ture of the United States. for the sure attainment of the great ends of the Institution, under the superintendance of Major Thaver, an officer of unquestioned abilities.

It may be that we visited the Point under circumstances peculiarly auspicious to seeing it to and profitable rotations, by means of the turnip the best advantage, being of a party in the train husbandry, must strike your countrymen with creps would be of Major General McComb, the commandant of very great astonishment: but in many parts of 1st year. Tur the United Corps of Engineers, and ex-officio this country, this tillage has been helped with for winter feed. nied on landing from the steam boat, by his two can no longer be done; the breadths formerly tlaughters; by Mr. John Mason, Jr. of George-cultivated must be very much narrowed, betown; by Mr. Jackson, the British commissioner sides that the crops must be smaller, and the tish Parliament, and their friend and fellow tratison of your city. Martial musick welcomed lands must lie quite idle, and return by natural the General's arrival as he stept upon the wharf, process, to the state of heaths and warrens, from Worth, acting superintendant, and Captain Macwe sauntered out upon the beautiful plain in front of the public buildings, where, it being vacation, manure will go. more than 200 Cadets were displayed in their rendered interesting by various circumstances. vacation in August next, and for my own part, I ment. When I took my pen, I did not expect to have written twenty lines about this charming clover system, they would produce as much place.—You see how I have lingered about it—I grain as before, and keep large flocks besides.

doubt now if you can venture to give it to your

If these things be true, as I believe they are, but if wanted sooner, its stalks must be split and in my next, they shall be compensated by a particular description of the management, soil and projucts of the celebrated farm of EARL STIMSON, just returned from visiting.

In the mean time, with prayers to be pardoned for the length of this, I remain their, and your obedient servant.

AGRICULTURE.

From the Memoirs of the Board of Agriculture of the State of New-York.

ON A ROTATION OF CROPS, To the President and Members of the Agricultural Society of New-York.

GENTLEMEN-I received by the hands of Isaac M. Ely, Esq. the certificate of the honour you hundred acres. If, with you, a farmer had but have been pleased to confer on me, for which I beg, by these presents, to return my most single the must confine his turnip husbandry to a small part, as from 20 to 40 acres, taking the sheep, will go at least three times as far as if cere and grateful thanks. As a member of your small part, as from 20 to 40 acres, taking the sheeh, will go at least three respectable body, I hope I may, without offence best soil, and confining his exertion to the neces-

For your own satisfaction I send you the "RE- or impropriety, add on this occasion, some ob- sary management; it may be in three or four gulations" of the Academy, which are strictly servations on the improvement of the agricul- small inclosures, or in one good field, divided by

You have not only heard of, but some of your tion I would recommend, may be thus considered: members have seen, the perfection of our tillage, especially at Holkham; the great breadths of Inspector of the Academy.-He was accompa-artificial manures, at a great expense, which and two children; by three members of the Bri-tillage less perfect. It will be necessary to return much of the more elevated fields to sheepveller, Mr. Labrouchere; Mr. D. Hoffman, and downs, from which they were broken up when Mr. Skinner and their ladies, and Professor Pat-grain was dear; and much of our still poorer and he was conducted to his quarters by Major which they had been reclaimed by enclosure and cultivation. Thus we shall be thrown back to key, under appropriate salutes of reverberating your condition as cultivators, depending upon the cannon. After we had taken some refreshment, natural staple of the soil, and not being able to

But there is one circumstance, perhaps little best military array, and presently a fine graceful adverted to, which is very much in our favour, looking young officer, whom I afterwards learned and to which is principally owing the remarkable was the son of Governor Finley, was detached to extent and success of our culture; this is, the apprise the General that the corps was ready to versatility of our winters: we have no season so receive him.—He proceeded immediately to re-severe, but that, with a little contrivance, our view them, a convenient site having been first sheep can eat our turnips on the land where they assigned to our party to witness the ceremony, grow; and all our better grass lands winter about two sheep peracre, very generally without either; The next day the Library, and Drawing and Philo hay or grain. To this, you will perceive, is sophical Apparatus apartments were opened for lowing the incalculable advantages of the sheep our inspection and amusement; in short, every husbandry, combined with the operations of the thing was done, and done successfully, to make us plough; to our open winters are owing, not only pass the time most pleasantly; and I can assure the immense increase of annual value, derived Cabbage, Savoys, and Potatoes. All, or several you that I have left no place since I left home, from 40 millions of sheep, and 100 millions of these, should be cultivated in your turnip fallow. with so much reluctance; I cannot take leave of pounds of wool; but also the great fertility low, and consumed in the order of their keeping it, without making acknowledgements to our which, by these flocks, is added to our turnip qualities: as kind host, Mr. Cozens, the obliging keeper of soils. To our open winters, in short, is owing a 1st. The S the house of private entertainment for those who very considerable share of the wealth and popustop at the point.—I understand that several fa-lation of Britain. This is so much the more milies propose passing a month there during the strikingly true, because it has been frequently observed, that our dryer soils, when cultivated in should much prefer it to any place I have yet visited, for recreation of health and rational amuses but little grain for much labour; but, being en-

readers, but if you do, you may promise them that it follows, that the great object of improvement cut for the sheep. with you, is to endeavour to surmount as far as possible the objections from the climate to keeping larger flocks. Certainly your winter food must risq. which took the prize offered for the best be all got up and stored, and your flocks must be managed farm in this county-and which I have yarded with moderate shelter, and sufficient litthe expense of removing their manure; but without manure it is impossible to farm, and if this system be rightly managed, I think it may afford sometimes scalded. sufficient profit to the cultivator, besides adding, as it spreads, an important increase of national we.:lth.

With the above object in view, the first natural step is, to consider of a rotation of crops the spring, when it is dry enough to work, scarify adapted to the design. It is not necessary to sup- and harrow it; clean off the root-weeds, and let pose, that the plan, and the rotation, should em- the tilth lie to grow green (as I suppose it will) brace all the land in the farm; on the contrary, with animals. Before the frost breaks away, it seldom happens that the same rotation of crops is suitable to all the land in a farm of four or five

small inclosures, or in one good field, divided by imaginary lines into equal portions. The rota-

If of three years, on three, five, seven or ten acre fields, or compartments, the land would do very middling land, which are kept in constant as well without division fences as with them, be cause there would be nothing to depasture; the

1st year. Turnips and other roots and plants,

2d. year. Indian Corn, summer tilled for wheat. 3d. year. Wheat. The stubble autumn ploughed for turnips.

If this rotation extend to three ten acre fields, I think the occupier may keep 50 breeding ewes, and winter them and their hoggets in separate yards, because the hoggets require the better keeping. In summer, when the ewes have lambs, they may be used for folding, on the land intended for turnips; but the hoggets now shorn, must still have the better keeping and be encouraged to fatten; when pastures fail, on the approach of winter, it will be necessary to give them some grain, and get them fit for the butch-

In the first year of the above rotation, every possible exertion must be made to get a crop of roots, but the attention is not to be confined to turnips, because they may miss; and besides, they are not well adapted to a warm climate; however, by choosing your cooler soils, you would partly obviate this objection. The outset would be more difficult, while the flock had not been wintered, and manure were scarce. Some of the following, which are all good, may do better with you than common turnips: yellow Scotch turnip, Swedish turnip, Hungarian turnip, Kohl Rabi, Mangel Wurtzel, Scotch Kail, Scotch

1st. The Scotch Cabbage, which is admirable food while it is good.

2d. The common Turnip, and Hungarian Tur-

3d. The Kohl Rabi, which is very like the

As your severe frosts will hurt the sheep's food, and render turnips too hard, if exposed whole, for the sheep to bite, the food must be served cut, and in small quantities.* Also, the yarded with moderate shelter, and sufficient lit-middle of the day should be chosen, to feed them ter; also, it will follow, that you must undergo with food that is succulent; mornings and evenings give them sanfoin hay, clover hay, or other dry food. Water daily, but the trough must be

> Concerning the culture of the turnip fallow, and the several plants and roots named, with the order of sowing them, or planting; it is first important that your field be autumn ploughed; in and harrow it; clean off the root-weeds, and let your manure should be carted to the field, and

made, as above, cart your manure on the land-it and barley, which should only be raised for home renewal only, by sowing seeds upon the wheat, having been turned over to lie a fortnight or so, to consumption, and to increase manure. Consider-and letting the land lie on again. Thus the land become short; and when your annual weeds ing the downfall in the prices of breadstuff, &c. would come to the fallow again periodically, in have well vegetated, plough in the manure and it is a miserable practice to keep large breadths better condition, and your old field wheat crops them together. Having in the interim planted of land in a coarse tillage, and reap little crops would improve.

your corn, after this ploughing (suppose in the for much labour. Your wheat land, in the turnip middle of May,) you may immediately plant system, sowing three bushels per acre, may proyour potatoes, suppose an acre; Scotch Cabbas duce 24 bushels; thus ten acres of wheat, may ges, Kail and Savoys, an acre or more; then be equal to 20 in produce, (by the old method,) sow Mangel Wurtzel, in drills 18 inches apart; and include no dead fallow. Your corn may profourthly, sow Swedish Turnips early in June; and lastly, the common Turnip. The land must receive another ploughing for the turnips, and advantage should be taken of rains, in sowing and planting.

The seeds of Scotch Cabbages should be sowed in the middle of August, and the plants pricked out on beds, to stand the winter; otherwise the cabbages will not arrive at a good size; experience guides in these things. The Kail and Savoys are to be sown in Spring, and drawed for planting in the beginning of June. The Hungarica Turnip, and Kohl Rabi, (both Spring sown,) bear planting as well as cabbages; but the Mangel Wurtzel, and Swedish Turnip, are better sown in drills, and thinned by hoeing. I have here been unnecessarily minute, but I would press on your attention the importance of cultivating several sorts of food, both as to the division of labour, and the probable success of the

The rotation already stated is very short, and would be found to require great exertions in manuring for turnips; but the rest of the farm would contribute to the quantity of manure with. out receiving any, as will presently be shown Both sanfoin hay, and clover, should be had for mowing, and the eddishes of both for eating; and if the soil be good enough, as far as the above turnip system is attempted, the rotation may better include four compartments, as follows:

1st. year. Turnips, &c. as before.

2d. year. Indian corn, summer tilled for wheat 3d. year. Wheat, sown with clover in Spring. 4th. year. Clover, the soil turned down in Autumn late, if possible, for turnips, as at first.

In this rotation the clover is too far from the mannre, but you may help it with gypsum. The rotation, however, could only succeed on good

land, and with able management.

I have long considered it an important object with you, to try Talayera wheat, spring sown, to escape the ravages of the Hessian fly. I believe, Talavera wheat, sown with you in April, would ripen in August, and being in a later stage of growth in the middle or latter end of May, when the fly strikes it, might thereby remain safe. The following rotation would suit this object:

(Still within the turnip system)-

1st year. Turnips. 2d. do. Talavera wheat. 3d. ado. Clover. 4th. do. Indian Corn.

This rotation is certainly preferable, if the Taput oats or harley instead of wheat, on this, your cleared land, it would progressively make an important addition to your agricultural property.

duce from 50 to 60 bushels per acre.

Of the old Field System.

In the foregoing, or turnip system, whichever the rest; here you must have sanfoin. Another rotation be preferred, I have said nothing of bar-may be proper for white clover, 14 lbs. to the more profitable. The old field system, (by which the improved varieties yield constant verdure, I mean that which is yet pretty generally in use and are very good. Neither is it indispensable with you,) is capable of great improvement in that your old fields should be broken up in reguthe simplest manner; in fact, your dryer soils lar order; the sanfoin ley, with the help of gypare very much injured by growing spring grain, sum, may stand eight years; but the white clo-and corn after wheat. By your turnip system, ver and Russell grass ley (being better land too) you will have corn, and for spring grains, they may be very well reploughed after lying three or are very little worth; but your old fields must four years. Again—on another ley you may sow nevertheless be renewed, or you would lose your of Russell-grass, two bushels, and of rib-grass, rage. When your oldest ley is broken up, and will succeed on land not good enough for white summer fallowed, sow it with wheat, or wheat clover. We frequently add trefoil to other and rye, (because some rye you should have,) seeds, and sometimes sow it alone, or with rye-but sow it in spring with sanfoin, or with such grass. Your timothy is not calculated for hilly other seeds for hay or pasturage, as the soil is ordry soils, and the cockstoot does not admit of best adapted for. Stiff or moist soils, may thus having its seeds dressed by wind, so as to render go from wheat (the stubble autumn ploughed) to them true and clean; otherwise it is an excel-spring tares; these may be folded off with sheep lent grass for leys. in summer, and the fourth year sow spring grain with grass seeds. But I should think this rotation with difficulty practicable on any of your lands, and where the turnip system is introduced. I should prefer always snwing sanfoin, trefoil, white foot, which is adapted to such various soils; it clover, improved raygrass, and other seeds adapt— (I mean the improved rye-grass) grows best, ed to the soil, and as prudence dictated, with the however, on land that is soid, and inclined to moister the full west. In case, the soil was after the full west. In case, the soil was a proper to be soil and a proper to be soil as a proper to be soil and a proper to be soil as a proper to be soil and a proper to be soil and a proper to be soil and a proper to be soil as a proper t part of every farm.

ty generally, where the soil is good enough to pro-

this case, I conceive to be

1st. year. Fallow. 2d. year. Wheat. 3d. year. Clover. 4th. year. Corn.

But what follows the corn? If wheat, the rotation cannot be supported. Seeds cannot follow corn, by reason of the summer tillage. In either case, it appears that the land must return to a poor and neglected state for a term of years. You cannot succeed in any lengthened rotation, You cannot succeed in any lengthened rotation, extending to all your convertible fields, as we do, because of the objections to the turnip system. davera wheat succeed, but it will not pay you to of fallow for turnips? They can neither procure the Hessian Fly, to which I beg to call your parput oats or harley instead of wheat, on this, your manure, nor raise the crop, nor get it up and ticnlar attention. I do not know whether any furbest land. By one or other of these rotations, ably conducted, you may have a turnip system, adapted to your climate, and if your farmers, in general, will only learn by degrees to pursue it, to the extent of wintering 100 sheep, and shearing 100 sheep 100 she 100 fleeces on every farm of 150 or 200 acres of the impossibility of consuming your turnips (if). you get them) on the land.

lightly compressed, by treading,* and covered It is much easier and more lucrative to send wool, scribed as the main object of your farming ope-with earth, if it could be got. When your tilth is mutton and beef, to market, than corn, rye, oats, rations, your old field system would become one

I do not recommend you to sow red clover on any land but that which is, in its turn, within your turnip system. In your old field system it by no means follows that you should sow all the fields, as they are renewed, with the same seeds. One piece may be more elevated, and poorer than ley or oats; there will be persons enough trying acre, and a peck of the improved ray, or ryeto raise these on the old field system, long after grass, (which I call Russell-grass, because the oth-the better farmers have struck into that which is er name is absurd.) The old rye grass is bad, but sanfoin hay, and other produce from their pastn- four or five ibs. to the acre, which pasturage

first crop after the fallow; I mean in the old ture; and here it will stand for permanent pasfield part, which must always be the much larger turage. But excepting your natural meadows and bottoms, I believe you have but little land which I am very well aware that you sow clever, pret- is adapted to grazing; sheep-downs are the work of many ages, and the depasturing of flocks, duce it; and also, that you plough it down in au-from time immemorial; and for lattening beeves, tumn, for Indian corn to follow. Your rotation in you must depend chiefly on the stall. Nevertheless, by renewing your leys, and supplying yourselves with sanfoin hay, &c. and summer feeding, you may increase your neat stock as well as sheep, and so add to your manure,

If you have not yet, I would advise you speedis But what follows the corn? If wheat, the ro-ly to procure some of our Russell-grass, and

Of the Hessian Fly.

In the Farmer's Journal, for July 1st. and 22d., What are your farmers to do with 30 or 40 acres in the present year, are two articles concerning

^{*} That it may not heat 100 violently. But this s only when the manure contains much straw, or s.long dung, as we call it.

^{*} I do not mention the timothy, because it cannot It appears, that your old field system does not be substituted. The dogstail and sweet vernal admit of seeds with the third crop, or spring grass both bear raked seeds—but have no claim grain. Of course, it must follow, that the land to cultivation as scharate grasses. The foxtail returns to a state of nature for a term of years; has light, chaffy, awned seeds, and succeeds only but by introducing the turnip system before de-

tomology," by Kirby and Spence. I am quite of attempts should be made by men who are pracopinion, that Dr. Mitchill's facts are very doubtically enlightened, and industrious by habit; for ful, and, at any rate, that the subject ought to be whatever a man's knowledge may be, if he pay investigated in a more satisfactory manner.

ng weevils, might be imported in wheat. To ascertain this fact, if it were possible, several enquiries were made-and some letters were written in answer, which you most probably have in your possession. One from Mr. Christr. Gallet says-" The fly passes between the outer straw, or husk, [sheal of the leaf,] and the stalk of the wheat, till it reaches the first, or lower joint; and there, somewhat like a caterpillar on a twig,

rationale of what has been offered, and on the itself." probable natural history of the insect. I shall be society, respecting so interesting a subject.

respectfully submitted to your liberal and enlightened society. All agricultural knowledge is of two the great injury of our native importers, by al- district whence some was brought last year, has kinds—that which we obtain by habit and local lowing long credits on importations; and by the turned his attention and that of his people so secustom; and that which is added to practical disposal of their flimsey made-for auction-goods, riously to it, that from 60 to 70,000 large bales experience, by reflection and mental superiority. at public sale on their account, will contribute are expected from there this year. A vessel with But agriculture is, in effect, wholly a practical to the drain of our cash from us, and continue the science, and lew of our notions can be depended chain, which the British statesmen boast, they are tried: Some are defeated by have entwined around the necks of the Ameri-greatly interfere with very low Sea Islands, and the science, and the science is a science of the Ameri-greatly interfere with very low Sea Islands, and the science is a science of the Ameri-greatly interfere with very low Sea Islands, and the science of the Ameri-greatly interfere with very low Sea Islands, and the science of the Ameri-greatly interfere with very low Sea Islands, and the science of the sc soil or climate; others by untoward seasons; and not a few are rendered abortive by imperfect operations. In the hands of one person, a plan will succeed; in the hands of another it fails, and falls into contempt.

It is therefore highly important that all new staples.

Then to I would

l, and, at any rate, that the subject engine to be whatever a man's knowledge may be, if he pay vestigated in a more satisfactory manner.

The articles alluded to in the journal were insucceed in introducing improvements. Unfortuserted in inverse order, owing to the inadvertence nately, a certain degree of intellectual attamment of the proprietor who conducts the business part of the paper. You will find in the first article, gence and dissipation of time, which not only in-July 22d, that "Dr. Mitchill has seen the cater-jures the habits necessary to good farming but July 22d, that "Dr. Mitchill has seen the cater-pillar, chrysalis, and fly—but never could find the egg," &c. There are various other authori-the turnip system requires such farmers as ties, which, perhaps, are not much more recent, know how to make 20 sheep swell to 40, and will last year, their receipts were far greater than at nor, as I conceive, much more authentic. The strain their exertions every year to add an acre of subject at one time attracted the attention of turnips to their fallow. Beginning with one acre,

I remain, with repeated thanks, and very sincere respect, Gentlemen, your very faithful and much oblig'd humb, servt BENJ'N HOLDICH,

On the Manufacture of Straw and Grass Bonnets .-. . Vo. 5.

The celebrated English statesman and orator, parent wings, extending far heyond the body; in the United States; but the thing of all things na to appear during their annual carnival in small horns or feelers, from the snout; larvæ I should like, is to send a box of hats and sell Charleston, and especially on the race course, like the skippers in cheese." What he adds as to them at Leghorn!" In his Register of December covered with them!!! That would be truly an its many generations in the year, I cannot believe. 19, 1823, he says that 'the people of Norfolk An Almanack writer with you, declares that they and Suffolk have taken the lead in the valuable lay their eggs in autumn, which also I disbelieve, manufacture, and the town of Bury St. Edmunds I know they lay their eggs, or deposite their ova is sending out teachers to instruct the rest of the in spring, (early in May) above the second joint country. He is safe in saying that the English of the culm; and if you gather the yellow and abortive plants, after they have shot up to a foot that Congress will not follow the example of bales Maltese at 8½ to 8¾d. The sales of Americans, because it is probable sold at 10¾d and 3 of the new crop at 12½d; 90 that Congress will not follow the example of bales Maltese at 8½ to 8¾d. The sales of Americans, because it is probable sold at 10¾d and 3 of the new crop at 12½d; 90 that Congress will not follow the example of bales Maltese at 8½ to 8¾d. The sales of Americans, and the town of the protocolor of the probable sold at 10¾d and 3 of the new crop at 12½d; 90 that Congress will not follow the example of bales Maltese at 8½ to 8¾d. The sales of Americans, and the town of the protocolor a second at a higher joint. In the 2d. article writers of England wish and say they ought to Tennessee and silabamas, 7\(\frac{1}{2}d\) a 8\(\frac{1}{2}d\). 253 Sea July 1st, you will read my conjectures on the do, that is, lay no duties, and let "trade regulate Islands 13d a 19d.

Thus the tables will be completely turned upvery glad to hear further from your enlightened on us-we first sent New England bonnets to old England, and she will hereafter deluge us with Gentlemen.—The foregoing remarks are most them; and together with the capital with which perience from Egypt, serious opposition in superspectfully submitted to your liberal and enlight- we in effect supply the British manufacturers to be having the world with cotton. The Pacha of the

Tobacco, will not now pay for cultivation, and there is no prospect of any change taking place in the price for the better; for accounts which may be relied on, state, that at the close of the year 1823, the stock in Europe amounted to 75,000 hilds—that is 10,000 beyond the demand for one year. For can more be said for Cotton. The planters of South Carolina and Georgia, ought to reflect upon the fact, that 12 years since when their export of cotton did not amount to more than one half, (if so much,) as that during the present. Friend Cropper, of Liverpool, did indeed, by a most fallacious statement, last year, the British Government, and a fear was enterthey may go on to ten-but a rash attempt at first induce the planters to believe, that the supply tained that the eggs of these flies, or of the flymay end in nothing. months, the effect was, his receiving large consignments, the thing he wanted, but the bubble seen burst, and now it seems, that new arivals in the cultivation of cotton have started up, in the independent colonics of South America, and of Mexico. Several cargoes of the article from Santa Martha, and Carthagena, have been imported into Philadelphia, and sold at 17 cents: it was eagerly purchased by the spinners, being fixes its eggs on a stalk, in number from 6 or 8, to Mr. Windham, asserted in the House of Comso compressed with the adhesion of the cluster, he had done in the United States." He referred and weakened to such a degree, as not to support to his first visit, in 1793, when he came to try no less formidable competitor in the European its own weight. Others say that the fly deposites his fortune among us, to his great exertions, to its eggs on the leaves, like nits or fly-blows, one promote the cause of England, and to his abuse Egypt, samples of whose good cotton have been in a place. As these facts cannot both be true, it is probable that they are both false; only we and best men in this country. Instead of erecting wonder that they can be so circumstantially stated without any manner of foundation!

Col. Morgan asserts that the fly, in the aurelia state, exists through the winter in the chaff, soldiers had been whipped in the heart of England, and to his abuse received in the United States, and who, having and best men in this country. Instead of erecting the power, will doubtless accomplish that which he has declared he would do, "cover the earth with the cotton plant from Cairo to the Cataracts of the King, merely for publishing "that British state, exists through the winter in the chaff, soldiers had been whipped in the heart of England, and to his abuse received in the United States, and who, having the power, will doubtless accomplish that which he has declared he would do, "cover the earth with the cotton plant from Cairo to the Cataracts of the Nile." His first shipment of s veral hundred by a straw, or short litter, about farm buildings and linthe heart of England, and to his abuse received in the United States, and who, having the power, will doubtless accomplish that which he has declared he would do, "cover the earth with the cotton plant from Cairo to the Cataracts of the Nile." His first shipment of s veral hundred by a straw, or short litter, about farm buildings and linthe heart of England, and to his abuse of the French accounts. straw, or short litter, about farm buildings and under a guard of German bayonets." His zeal dunghills. If this were so, the aurelia must adhere to the straws at harvest, and be stacked in the bonnet business certainly entitles him much his countrymen, than his with the wheat, which I cannot believe without political conduct, either in England or the United better proof. The maggots probably appear States; and he cannot fail of being remembered about the 10th to the 15th of June; but as the honourably, for the source of wealth which he duty upon fine cotton fabrics, and upon coarse rerdure of the wheat is over, on what do they has laid open to his countrymen. He says, (June woollens, and justice demands that the ladies and feed? Mr. Walpole in a letter to the Marquis of Carmathen, says—"The Hessian fly is a small, dark fly, with thin, long, black legs; clear, trans-

* From the Boston Daily Advertiser, of April 22d, 1824.

Extract of a Letter from an eminent house. Dated Liverpool, 29th Nov. 1823.

We much fear the United States will shortly exthe finest qualities from New Orleans. We do Our fellow citizens of the south, are in parti- not know the expense at which this cotton is procular interested in patronizing the cheap Ameri-duced, but aware of the extent of the hofulation can straw and grass bonnet manufactory, to enable of Egypt, and of the extreme proverty of the peothe people of the north to purchase their grand the, if it should be found profitable it may be care staples.

whose high culogy will be pronounced by future cellent spring; easy to be cleaned out, with a very whose high ediby will be produced by the American war historians, and who during the American war nobly submitted to the greatest privations, to The plan which nad previously suggested itself milk will not keep so long as that mixed with nobly submitted to the greatest privations, to nobly submitted to the greatest privations, to bodily and mental suffering, for the gloricus cause to me, and which I still think is even superior to bodily and mental suffering, for the gloricus cause to me, and which I still think is even superior to water. It will of course turn sour sooner.

Whether the milk of a cow is to be constant to the droop. Mr. Badden's, is this—select a steep hill. (whose of their country; and often supported the droop- Mr. Rhoden's, is this-select a steep hill, (whose ing spirits of their husbands, lovers, and sons, in declivity should be, if possible, 45 degrees,) and sumed by a cottage family in the shape of milk, the trying seenes to which they were exposed; dig down, opening out as you go in the form of or whether it be to be made to yield butter, skimand who while prisoners in Charleston, refused to a ditch, from the inner wall of the well, to the milk, and butter-milk, must depend on circumdance at balls with the elegantly dressed British side of the hill, and wheeling off the dirt in a stances. A woman that has no child, or only

reciprocal exchange of a raw material for an ele-perpendicularly as is usual. gant article of dress, than to send their money to Leghorn for hats? Cotton, the Leghorners do not appear to involve a great deal of labour; but I most ample and satisfactory experience, very selwant, for they raise what they require in their am certain that on a hill declining at the rate of dom having ever had any other sort of breakfast own country. But the cry is, that "the manufacturers will impose, and charge two prices if dug, with less labour, with greater facilities for was at work in the fields full four years before encouraged by increased duties on foreign goods. blowing rock, greater security against damp, and that. I will here mention that it gave me singu-Such fears are groundless. The fact of the high more certainty of finding a vein than a common lar pleasure to see a boy, just turned of six, helpprices they charged during the late war, will not known fact, that farmers, planters and merchants, three times as great, as will be procured by only tance before him; and, when he came up to the known fact, that farmers, planters and merchants, three times as great, as will be procured by only always avail themselves of a scarcity in the artimaking as much as they place, instead of having to haul up the dirt by a know what it is to reap, know how pleasant it is can get. The cotton planters themselves did not windlass, at the great risk of the well digger, to find now and then a sheaf cut ready to their can get. The cotton planters themselves did not refuse at one time 50 cents a pound for Sea Island and with much labor and loss of time, it can be hand. It was no small thing to see a boy fit to be cotton, and 30 cents a pound for Upland: they would gladly get those sums again, but the game is up: nor did the Tobacco planters refuse in the year 1818, \$110 and \$120 per hhd. for their tobacco: they would take those sums to-morrow. Such is human nature. High prices for cloths, or other domestic articles of manufacture are not again to be expected, although protected by duty, for the invariable result will be, as long since ported article; and at the same time, the Amethat might be mentioned, are in proof of both them. positions. The abundance of capital, the diminished sources for investing it, and the zeal of has nearly as many advantages as the first, and our citizens, are all powerful stimuli to active ensome others: but these must suggest themselves gagements in manufactures, and if the example at the first view, and require no elucidation. of the statesman of the old world was adopted by those of the United States, of protecting in every possible way, home industry, they would soon flourish, and prosperity once more be restored to the country.

30° WELL SPRINGS.

TO THE EDITOR OF THE AMERICAN FARMER.

Newbury, S. C. July 5, 1824.

SIR-Permit me to communicate to you a new method of digging wells, which in a hilly country makes them, in my opinion, superior to springs.

The method occurred to me some years ago, and I have often spoken of it as practicable, but I never heared of its being reduced to practice Mr. John Rhoden, of Chester, I until lately. am informed has in the course of the last year made the attempt, and completely succeeded.

Mr. Rhoden had a well on the side of a steep hill, the cleaning and repairing of which had cost him much trouble and expense, to little purpose. the well, such as is found at springs, and gain an guod to drink. In the making of puddings, and an observation on the act of milking, before I easy access to it, for the purpose of cleaning it in the making of bread too, how useful is it! Let come to the chief matter; namely, the getting ont whenever it might become necessary. When any one who has eaten none but baker's bread for of the food for the cow. A cow should be milked

well.

common hand as fast as it is dug.

is so apparent as to require no proof.

I believe the second method I have proposed

An excellent milk-house may be easily made in the excavation, under either method.

I will not dilate upon the advantages of this method of digging wells. Allow me only to reiterate the superior facilities it affords for keeping them in order.

Many tracts of land, whereon there are no springs, loose half their value; because few would be willing to settle thom, and undergo the trouble and inconvenience of watering their whole stock from a well. But my method (or rather Mr. Rhoden's) would afford a running stream from the

well for that purpose.

Your's, most respectfully, JOB JOHNSTON.

Domestic Economy.

FROM COBBETT'S COTTAGE ECONOMY.

KEEPING COWS.

111. As to the use of milk, and that which pro-At length it occurred to him that if he could ceeds from milk, in a family, very little need be sible to lay down rules for the application of the make a horizontal opening into it from the side of said. At a certain age bread and milk is all that produce of a cow, which rules shall fit all eases. the hill, on a level with the vein, that he might a child wants. At a later age they furnish one I content myself, therefore, with what has alreathus be enabled to procure a running stream from meal a day for children. Milk is, at all seasons, dy been said on this subject; and shall only make

act of patriotism. It would be proper conduct in the work was set about, it was accomplished in a a good while, taste bread home-baked, mixed the daughters and grand daughters of women few days, and he has now, out of his well, an exwhat the difference is. There is this only to be observed, that, in hot weather, bread mixed with

officers, and accepted as partners, their captive barrow, until you come to the vein. Or make, one, would, perhaps, find it best to make some countrymen with thread bare coats

Besides, is it not better policy to make this serious descriptions of the lift, and wheeling of the lift, and wheeling of the lift a state of the lift, and wheeling of the lift a state of the lift, and wheeling of the lift a state of lift in a state of l for any children's breakfast, even when they be-The first method proposed may at first view gin to go to work; a fact which I state upon the ing his father reap, in Sussex, this last summer. happen again; and even for those prices an apology may be offered, by referring to the well the first place the dirt to be removed is but about His father set him into the ridge at a great diswheeled off along the level of the ditch, by a trusted with so dangerous a thing as a reap-hook common hand as fast as it is dug. As to this method affording greater facilities have nursery maids to cut their victuals for them, for bluwing rocks, and greater security against and to see that they do not fall out of window, noxious damps, than the common method; this is so apparent as to require no proof.

or horses' bellics. Was not this father discharg-It is attended with a greater certainty of finding ing his duty by this boy much better than he water, because in the common method unless a would have been by sending him to a place called vein is found within the diameter of your well, a school? The boy is in a school here, and an pronounced by A. Hamilton, that competition you may continue to dig without success, although excellent school too; the school of useful labour. will reduce prices even below those of the imnumerous veins may be running within a small I must hear a great deal more than I ever have distance of you. But in the method I propose yet heared, to convince me, that teaching chilrican fabric will be far better in quality than the foreign. Coarse muslins, hats, leather, chemi-from the outside of the hill to the inside of the their independence of spirit, their manliness of cal medicines, paints, and many other articles well, for your ditch must traverse the whole of character, as teaching them to reap. The creature that is in want must be a slave; and to be habituated to labour cheerfully is the only means of preventing nineteen-twentieths of mankind from being in want. I have digressed here; but observations of this sort can, in my opinion, never be too often repeated; especially at a time when all sorts of mad projects are on foot for what is falsely called educating the people, and when one projector would do this by a tax that would compel the single man to give part of his earnings to teach the married man's children to read and

113. Before I quit the uses to which milk may be put, let me mention, that, as mere drink, it s, unless, perhaps, in case of heavy labour, better in my opinion, than any beer, however good. I have drinked little else for the last five years, at any time of the day. Skim-milk I mean. If you have not milk enough to wet up your bread with (for a bushel or flour requires about 16 or 18 pints,) you make up the quantity with water, of course; or, which is a very good way, with water that has been put, boiling hot, upon bran, and then drained off. This takes the goodness out of the bran to be sure; but, really good bread is a thing of so much importance, that it always ought to be the very first object in domestic economy.

114. The cases vary so much, that it is impos-

be left in the udder. It has been proved, that between the ridges in the other 36 rods, and turn the same ground that bears the cabbages? That the half pint that comes out last has twelve times the ridges over in this manure, and then trans- we are now going to see. When you plant out I think it is, as much butter in it, as the half pint that comes out first. I tried the milk of ten Althouse cows, and, as nearly as I, without being very nice about the matter, could ascertain, I fail, you have plenty in the bed where you prick- use the Early Yorks first you will cut every other found the difference to be about what I have ed them out; for your 36 rods you will not require row; and the Early Yorks that you are to plant stated. The udder would seem to be a sort of more than 4000 plants. If the winter be very in summer will go into the intervals. By-and-by milk-pan; in which the cream is uppermost, and, hard, and bad for plants, you cannot cover 36 the Sugar Loaves are cut away, and in their place

land is, on every account, the best; and such a winter by plants from the bed. cow will not require above 70 or 80 pounds of good moist food in the twenty-four hours.

keep his cow.

117. I suppose the 40 rods to be clean and unto amuse, really give nothing worthy of the name not, thank God, cost above five pounds. of food, except to the Blackbirds and Thrushes.

the seeds thin in the drill. If the plants come up with stout plants, and these will serve you into ther and in ground just fresh-digged, I shall close at two inches apart (and they should be thinned the month of November. if thicker) you will have a plenty. As soon as 123. Now we have to provide from December I am most anxious to impress upon the mind of weather may serve, a little earlier, or later, lay Swedish turnips.

tage, a cow of the smallest sort common in Eng- or fail in part, fill up their places, later in the management.

shaded; for, I am to suppose, that when a man of England, and there is also some difference in If the fly appear, cover the rows over in the day drinks of 5 quarts of milk a day, on an average, seasons and soils; but, generally speaking, by the time with cabbage leaves, and take the leaves all the year round, he will not suffer his ground to be encumbered by apple trees that give him and soon you will have the Early Yorks solid.—
only the means of treating his children to fits of the belly-ache, or with currant and gooseberry bushes, which, though their fruit do very well and at this time such a cow as you will want will the wind cabage to the leaves, and take the leave

of food, except to the Blackbirds and I firushes. The ground is to be clear of trees; and, in the and of the manure and litter by-and-by. At present up deeply, or, which is better, trench it, keeping, however, the top shit of the soil at the top. Lay it in ridges in April or May about 2 feet weight per day, which is more than she would feet distances each way; and this will give you, and not much later than the middle of August. In the 2 rods whence you take your turnip plants, would give her food for 200 days at 80 pounds you may leave plants to come to perfection, at 2 lay it in ridges in April or May about 2 feet weight per day, which is more than she would feet distances each way; and this will give you, apart, and made high and sharp. When the eat. But, you must use some at first, that are not over and above, 840 pounds weight of turnips. weeds appear about three inches high, turn the solid; and, then some of them will split before For the other two rods will be ground enough for ridges into the furrows (never moving the ground you could use them. But, you will have pigs to you to sow your cabbage plants in at the end of but in dry weather) and bury all the weeds. Do help off with them, and to gnaw the heads of the August, as directed for last year.

126. I should now proceed to speak of the man-

118. There is the ground, then, ready. About 122. Now, mind, in March, and again in April, for her, the managing of the manure, and sevethe 26th of August, but not earlier, prepare a sow more early Yorks, and get them to be fine ral other less important things; but, these, for rod of your ground, and put some manure in it stout plants, as you did those in the fall. Dig up want of room here, must be reserved for the be-(for some you must have,) and sow one half of it the ground and manure it, and, as fast as you cut ginning of my next number. After, therefore, obwith Early York Cabbage Seed, and the other cabbages, plant cabbages; and in the same man-half with Sugar-Loaf Cabbage Seed, both of the ner and with the same cultivation as before. Your ed in the same way that Cabbage plants are; and true sort, in little drills at 8 inches apart, and last planting will be about the middle of August, that both ought to be transplanted in dry wea-

fairly out of ground, hoe the ground nicely, and to May inclusive; and that, too, out of this same every reader.

pretty deeply, and again in a few days. When piece of ground. In November there must be, the plants have six leaves, which will be very arrived at perfection, 3000 turnip plants. These, that the total and butter. It is very certain, which will be very arrived at perfection, 3000 turnip plants. soon, dig up, make fine, and manure another rod without the greens, must weigh, on average, 5 that the taste and smell of certain sorts of cattle or two, and prick out the plants, 4000 of each, in pounds, and this, at 80 pounds a day will keep the food will do this; for, in some parts of America, rows at 8 inches apart and 3 inches in the row. cow 187 days; and there are but 182 days in these where the wild garlick, of which the cows are Hoe the ground between them often, and they six months. The greens will have helped out very fond, and which, like other bulbous rooted will grow fast and be straight and strong. I sup- the latest cabbages to carry you through Novem-plants, springs before the grass, not only the milk pose that these beds for plants take 4 rods of ber; and, perhaps, into December. But, for these and butter have a strong taste of garlick, but your ground. Early in November, or as the six months you must depend on nothing but the even the veal, when calves suck milk from such

clean. Not a drop, if it can be avoided, should, some manure (of which I say more hereafter) 124. And now how are these to be had upon of course, comes out last, seeing that the drain rods; but, you may the bed where the rest of will come Swedish turnips, you digging and mains at the bottom. But, besides this, if you do not your plants are. A little litter, or straw, or dead and will become dry much sooner than she ought. The cause of this I do not know, but experience has long established the fact.

The cause of the cause o 115. In providing food for a cow we must look nothing to complain of but their own extreme feet apart (and always a foot apart in the row;) first, at the sort of cow; seeing that a cow of one carelessness. If I had a gardener who complainant thus you will have three thousand turnips; sort will certainly require more than twice as ed of all his plants being cut off, I should cut him and, if these do not weigh 5 pounds each on an much food as a cow of another sort. For a cot-off pretty quickly. If those in the 36 rods fail, average, the fault must be in the seed or in the

125. The Swedish Turnips are raised in this ow will not require above 70 or 80 pounds of the winter, hoe it, and particularly near the ground, in which you have sowed and pricked out your cabbage plants. The plants that will ground is what we want to know. It frequently when March comes, and the ground is dry, hoe be left there will, in April, serve you for greens, lappens that a labourer has more than 40 rods of ground. It more frequently happens, that he has the lower leaves. As soon as the plants begin to very good without greens, and rather better withsome common, some lane, some little out-let or grow, dig the ground with a spade clean and out than with. At any rate, the pig, which has other, for a part of the year, at least. In such cases he may make a different disposition of his ground; or may do with less than the 40 rods.— Give them another digging in a month; and, if March and April, as before directed, have sown I am here, for simplicity's sake, to suppose, that weeds come in the mean while, hoe, and let not and raised your Early Yorks for the summer he have 40 rods of clear unshaded land, besides one live a week. "Oh! what a deal of work?" planting. Now, in the last week of May, prewhat his house and sheds stand upon; and that Well! but, it is for yourself; and, besides, it is pare a quarter of a rod of this ground, and sow it, he have nothing further in the way of means to not all to be done in a day; and, we shall, by-precisely as directed for the Cabbage-seed, with the-by, see what it is all together. Swedish turnip seed; and, sow a quarter of a rod 120. By the first of June; I speak of the South every three days, till you have snwed two rods. ot, thank God, cost above five pounds.

121. Lshall speak of the place to keep her in bages have stood, as before directed. You should

by the fall, you will have really clean ground, and planted out in the spring; and thus these 36 rods ner of harvesting, preserving and using the crops; not poor ground.

will get you to some time in September.

of the manner of feeding the cow; of the shed

sources. None can be more common expressions,

licky Butter and Garlicky Veal. I have distinctly tasted the Whiskey in milk of cows fed on distiller's wash. It is also certain, that if the cow eat hutrid leaves of cabbages and turnips, the butter will be offensive. And the white-turnip, which is, at best but a poor thing and often half putrid, makes miserable butter. The large cattle-cubbage, which when loaved hard, has a strong and even an offensive smell, will give a bad taste and smell to milk and butter, whether there be to the smell. But, I state upon positive and reter as any food that can be given to a cow .-their allowance, though they were not very small tion. when they began upon it. We were compelled to resort to the aid of the cows; and, in order to see the effect on the milk and butter, we did not mix the food; but gave the cows two distinct PUBLISHED IN THE AMERICAN FARMER, BY ORspells at the cabbages, each spell about ten days in duration. The cabbages were cut off the lour, than these cabbages made, never was made in this world. I never had better from cows 1824. feeding in the sweetest pasture. Now, as to Swedish turnips, they do give a little taste, (unless completely ripe, for which reason they ought not to be given till the spring;) especially if boiling of the milk-pans be neglected, and if the greatest care be not taken about all the dairy tackle. Yet, we have, for months together, had the butter so fine from Swedish turnips, that nobody could well distinguish it from grass butter. But, to secure this, there must be no sluttishness. Churn, pans, pail, shelves, wall, floor, and all about the dairy, must be clean; and, above all in this office. things, the pans must be boiled. However, after all, it is not here a case of delicacy of smell so refined as to faint at any thing that meets it except the stink of perfumes. If the butter do taste a little of the Swedish turnip, it will do very well where there is plenty of that sweet sauce which early rising and bodily labours are ever sure to bring.

128. The other point (about which I am still more anxious) is, the seed; for, if the seed be kind, all your labour is in vain. It is best, if you can do it, to get your seed from some friend, or some one that you know and can trust. If you where the contract of the c

than, in Philadelphia market, are those of Gar- reach them. The seed will keep perfectly good per cent. more when well washed on the sheep for four years.

(To be continued.)

Editorial Correspondence.

Abbeville, S. C. 24th July, 1824.

DEAR SIR-I have just arrived at this place from Alabama, and inclose you what I had written before I lest home. I have never witnessed putrid leaves or not. If you boil one of these rank cabbages the water is extremely offensive state, Georgia and Alabama. I have not seen since I left home, and on a journey of nearly four ceot experience, that Early York and Sugar-loaf Cabbages will yield as sweet milk and but-ter as any food that can be given to a cov.—on the road leading through Monticello, Greenes-During this last summer I have, with the ex-ception about to be noticed, kept from the 1st of corn and cotton are very inferior, and in many borough and Washington, to this place, the crops of May to the 22nd October, five cows upon the grass of two acres and a quarter of ground, the Alabama the drought was severe, and the crops grass being generally cut up for them and given were said to be exceedingly bad. In many secthem in the stall. I had in the spring 5,000 tions of these states there will probably be a Cabbage plants, intended for my pigs, eleven great scarcity of provisions, and the cotton crops in number, But, the pigs could not eat half must fall very far short of an average produc-

Your obedient servant, ANDREW PICKENS.

DER OF THE STATE.

A report of the tobacco inspected at and delistump, with little or no care about dead leaves, vered from Pig Point Inspection Watchonse, And sweeter, finer butter, butter of a finer co-during the quarter commencing on the 5th day of April, 1824, and ending on the 5th day of July,

	Domestic growth-	Growth not of this state.	Resin- spected.	Total.
Number in- spected.	94			94
Number de- livered.	55			55

GASSAWAY PINDELL, Inspector.

TREASURY OFFICE, ANNAPOLIS, July 24, 1824 True Copy, from the original report on file the property described.

B. HARWOOD, Tr. W. S. Md.

THE FARMER.

BALTIMORE, FRIDAY, AUGUST 20, 1824.

PRICES OF COUNTRY PRODUCE-carefully collected every Thursday, for the American Farmer. By ROGERS & STMINGTON.

some one that you know and can trust. If you save seed, observe all the precautions mentioned in my book on gardening. This very year I have some Swedish turnips, so called, about 7,000 in white, 31—Do. Red, 93 cts—Corn, 30—Whete, 33 cts.—Rye, per bus, 37½ cts.—Do. white, 33 cts.—Rye, per bus, 37½ cts.—Oats, 19 cts. cargo price—B. E. Peas, none—whiskey, 27 cts.—Apple number, and should if my seed had been true. number, and should, if my seed had been true, have had about twenty tons weight; instead of which I have about three! Indeed, they are not which I have about three! Indeed, they are not 50—Ditto ditto No. 2, \$1.25—Shad, trimmed, \$60 that meeting. which I have about three? Indeed, they are not Swedish turnifs, but a sort of mixture between that plant and rafie. I am sure the seedsman did not wilfully deceive me. He was deceived himself. The truth is, that seedsmen are compelled to buy their seed of this plant. Farmers save it and they but too often pay very little attention to the manner of doing it. The best way is to get a dozen of fine turnip plants, perfect in all respects, and plant them in a situation where the smell of the blossoms of nothing of the cabbage of rape or turnip, or even charlock kind, can

and free from tags.

Foracco.-Not much in market. Prices same as last report.

TO THE GROWERS AND

Manufacturers of Wool.

The subscriber offers for sale a Tract of Land, in Fairfax County, State of Virginia, containing 10,000 acres, within ten miles of Alexandria, Washington, and Georgetown, and within two miles of turnpike roads leading to each of those towns. A considerable portion of the open land is divided into tenements of from one to three hundred acres, yielding a present income of from 1500 to 2000 dollars. The open land reserved is divided into two very extensive sheep-walks, a hog-range, a meadow containing upwards of 200 acres, and a farm of about 700 acres, the greater part of which is well enclosed, and divided into the necessary fields and lots by good post and rail fences. On the farm there is a grist mill, containing both wheat and corn stones; a saw-mill, a cooper's and blacksmith's shop, a small tannery, 8 or 10 labourer's houses, a manager's house, a brick barn 48 by 34 feet, a brick stable 56 by 38, and an apple and peach orchard, centaining together 2000 trees. The homestead consists of one of the most commodious buildings in the state of Virginia, fronting not less than 112 feet, containing 20 rooms, having all the necessary outhouses attached to it, and a garden filled with every variety of fruits and vegetables. The situation is as healthy as any in the United States, and the whole tract is intersected by numberless water-courses; on one of which are four or five excellent sites for mills or factories, with an abundance of building stone immediately at hand. To a gentleman disposed to connect a system of tenantry with extensive grazing, or to a company desirous of going largely into the growth and ma nufacture of wool, a more eligible situation will hardly present itself. The subscriber will be happy either to see or to hear from any individual disposed to purchase the whole or a part of

W. H. FITZHUGH.

Ravensworth, near Alexandria, Aug. 12. P. S .- Should the expensive improvements attached to the homestead be objected to, the pro-

prietor would be willing to retain them, together with a farm of from two to four hundred acres, making a liberal deduction from them.

FALL RACES-MARYLAND ASSOCIATION for the Improvement of the Breed of Horses.—The Fall Races of this Association will take place at CANTON COURSE near Baltimore, on the 20th, 21st and 22d October next, for the following purses, free for any horse, mare or gelding, to carry weight, &c. agreeably to the rules of the Association:

1st day, 4 mile heats for a purse of 2d day, 3 mile heats for a purse of 3d day, 2 mile heats for a purse of 400

The winning horse of each day to be excluded from running for any of the other purses during

AGRICULTURE.

EXTRACTS FROM AGRICULTURAL ADDRESSES, &c. &c.

1823 :- By Hon, OLIVER FISKE,

Moral effects of Agriculture.

It is remarked, that in all countries where Agri culture is the chief business of the people, are found the greatest simplicity of manners, more purity of morals, and the best display of the social virtues By an attachment to the soil, the natural result of its culture, they become the best citizens, the best soldiers, and the firmest patriots. The mere Merchant, Mechanick, and Professional Gentle man may be a good citizen, and cherish the ties no land, he cannot feel that attachment to the soil peculiar to those who reap the fruits of their own labour. As he can quit his country, when in danger, with more facility, he will not be likely to cherish that deep solicitude for its welfare which the farmer feels, who considers his all at stake. Our statutes seem to recognize this fact. To be eligible to any important office in the Commonwealth, a freehold is the first requisite.

To possess a rugged soil, and to cultivate it with seculous labour, as man is now constituted, is productive of happiness rather than misery to his race. In proof of this position, we need but advert to the condition of those countries where the soil and climate furnish the necessaries and luxuries of life, with little labour of the inhabitants. We there find profligacy, effeminacy, and dissition of this influence, that the discrect WASH of a physical cause, we have only to be grateful, that our lot has fallen where a salutary check is imposed upon the propensities common to our race.

Connexion between Agriculture and good Roads.

As Agriculture in an extensive sense embraces all the remote concerns of the Farmer, the subject of hublick roads may not be thought unappropriate. Under this head our improvements have been astonishingly great. In the early state of our country, while the inhabitants emigrated merely for subsistence, it was natural that they should locate themselves with a view only to profit and convenience. The business of intersecting a wilderness in squares and angles, with the skill and regularity of a gardener, was reserved for the modern display of wealth, speculation, and taste. Our new towns have respect to accommodation in the future growth and extension of our country; while the old ones carry the lineaments which marked the hardships of their origin.— From a spirit of improvement and enterprize, these traces are wearing away as fast as the pub Vol. 6.—23.

tance to be travelled, and the time and labour re- that we had adopted the idolatry of Egypt, and Extract from an Address delivered before the spirit of enterprize, to what can it be more justly Worcester Agricultural Society, October 8th, ascribed than to the introduction of Turnpikes So far from their having caused the decay of old best.

A new market for the farmer, and new facilities for reaching it, are in contempration, or cannot from this town to Providence. It is confidently believed that a present profit and a vast supposition is both impious and absurd. Man is the enemy of his race. He is the only created the proprietors the enemy of his race. which are natural to the country which gave him and to the community, uy the completion of such that publication, and he alone violates the dictates of natural to the country which gave him and to the community, uy the completion of such that publication, and he alone violates the dictates of natural to the country which gave him and to the community, uy the completion of such that publication, and he alone violates the dictates of natural to the country which gave him and to the community, uy the completion of such that publication are natural to the country which gave him and to the community, uy the completion of such that publication are natural to the country which gave him and to the community, up the completion of such that publication are natural to the country which gave him and to the community, up the completion of such that publication are natural to the country which gave him and to the community and the country which gave him and to the community and the country which gave him and to the community are not considered that publication are not considered to the considered that publication are not considered that publication are not considered to the considered that the considered that the considered that the considered that the considered th lick spirit will unite with private interest, in so ture in the management of his offspring. noble and useful an undertaking.

The goodness of a road is the first considera-Trees, judiciously chosen, and tastefully arrangand transplanted by two boys? I trust it will not teract it, the tender organs of the stomach are be imputed, to mere idle vanity, should I add, deranged. By debility, the necessary consequence in contemplating their grandeur, in the enjoyment child survives infancy, the same indiscreet course

as well as beauty should be considered. In this keeping, that I may be thought to have entered view, the mazard cherry, the ash, the maple, and my second childhood, by denouncing it. But I

quired in reaching it, the farmer finds himself at that instead of the ichneumon and crocodile, we least one quarter part nearer a market than for-had substituted the caterpillar. Even were they merly. If, for this important saving, there has harmless, it would be a reproach to a farmer to been any exciting cause, other than the general suffer the beauty of his trees to be thus defaced.

On the treatment of Children.

On inspecting the bills of mortality, it is found roads, as was predicted in our Senate, as an ob-that a great proportion of our race are cut off in jection to the grant of a charter for the first Mas-infancy and childhood. Is this the necessary state sachusetts Turnpike, they have introduced such of our existence? Has our wise Creator left the improvement, and excited such a spirit of rival-noblest of his work to perish, before the intellect, ship, that our old roads are not unfrequently the which is his image, has expanded to contemplate his goodness, and to adore his perfections? Has he bestowed on the brute creation better organs The wants of the infant, at its introduction into

life, like those of the brute creation, are merely tion with the traveller; but its crnament will, in animal. Nourishment and rest comprise the first some measure, serve to lessen a tedious distance. demands of nature. To the indiscreet management of children, as respects the kind and quaned, not only delight the senses by their beauty tity of their food, is, in a great measure, to be as-and their soothing shade, but excite the pleasing cribed their sickly frames, and premature death. reflection that they may become more substanti- In early infancy they are commonly gorged to really useful in some future emergency. Who, that pletion. If kind nature interferes to throw off the has noticed the extensive and noble rows, which offending surplus, it is interpreted into an indicaornament a pleasant village, the place of my nation that too much acid of the stomach has contivity and youth, has not felt the force of this sen- taminated the food. Instead of more caution, and timent? And who that has seen them would be- a little abstinerce, recourse is had to medicine to lieve, that within forty years these gigantick elms correct and renedy what does not exist. By the were saplings of the forest, taken from the earth, repetition of this error, and the means to counpation abounding in the same ratio with the facility of acquiring subsistence. Without intending any invidious distinction, let me ask whether we need look beyond our own country for evidence of the effect of soil and climate upon the moral of the effect of soil and climate upon the moral habits of a people? Was it not from a considera ington selected his confidential soldiers in war, and his domesticks in peace from the most rugged portion of the States? Instead of arrogating to ourselves any superior merit, from the operation of the States are secretary and his domesticks in peace from the most rugged them. It gives me pleasure to record, in restricted recurs, it surfeits on every thing that two young gentlemes have evineed a nave evineed a lits restlessness and flushes are ascribed to the publick spirit, by adding, in like manner, to the lits restlessness and flushes are ascribed to the publick spirit, by adding, in like manner, to the lits restlessness and flushes are ascribed to the publick spirit, by adding, in like manner, to the lits restlessness and flushes are ascribed to the lits restlessness are ascribed to the lits restlessness and flushes are ascribed to the lits restlessness are ascribed to the lits restlessness and flushes are ascribed to the lits restlessness are ascribed to the lits restlessness and flushes are ascribed to the lits restlessness are ascribed to the lits restlessness are ascribe comfort and ornament of Worcester. May we ing; and its cries and starts, to worms. Some innot hope that this spirit will be cultivated and judious application is made; it dies in fits, or a fediffused, until the highway through our whole ver terminates its life. By rest, the other primacountry shall appear one beautiful and extensive ry requirement of nature, I mean still and quiet repose. The cradle has so long been considered In selecting trees for publick roads, their use such an essential, if not the first requisite in housethe elm will be preferred. In cultivating trees, venture to assert, that its use is unnatural, and whether for fruit or shade, the farmer is too that it is not found a labour saving machine. Naprone to abandon his business at its commence- ture requires total, unbroken rest. That use is ment. Having begun a good work, he ought to second nature, is very strikingly exemplified by carry it on to perfection. To replace the decay-the introduction of this appendage to the nurse-ed, to cure the diseased, to prune the too vigorous, ry. The infant is not only learned to sleep by unand to protect the whole, is a duty made impera natural motion, but, in process of time, will not tive from the pledge bestowed in the labour of sleep without; and, instead of stillness, may be first planting them. The growth of our trees made to require a serenade in the vociferous lulwill avail us little, should this be considered our laby of the nurse. It must now be incessantly principal concern. They have enemies from watched. If it stirs, it is the business of some without as well as from within: the most formione to "give the cradle a jog." By the ordinary dable is the caterpillar, which, for several years noise and business of the family, its nap is renderpast, has made great depredation, and seems now ed short and interrupted; it awakes fretful: it to enjoy an unmolested reign. Does it not argue must be caressed and nursed until it again falls great imperfection in our character as farmers, asleep; when, on tiptoe, it is again deposited in lick convenience can require. New roads are that reptiles so loathsome and injurious, and so the cradle, to be watched and jogged. This is laid out in direct courses through our principal towns; and while the traveller finds his journey suffered to hold, from year to year, such quiet shortened, he also finds it casy and pleasant, from possession of our most valuable trees? A foreign-their excellence. To an agricultural country, no improvements can be more important; for, if the their habitations, which remain inviolate from its cries. I say nothing of the luckless father, who wicinity to a place is to be computed by the dis-lour unhallowed touch, would be led to imagine fatigued by the labour of the day, is urged from

contact with some angle or projection of this over-protruding furniture; and, in his agony, execrates tactor, who has given us the good land we possess, the cradle and all its concerns, and is half tempt-ed to wish himself the worst of all wishes, that he

had remained a BACHELOR!

Having banished the cradle, the Ladies will require me to furnish a substitute. A pillow, seeurely placed in a darkened room—or a bed, is all that is required. Begin early with the business. Let not the infant be hushed to rest in its nurse's arms. At the fit season for sleep, deposit it in the Working Oxen, congratulate the Society and the must be done in haste, and nothing can be done place prepared, and leave it to itself. Should it county, and indeed the country generally, upon cry, as it may at first, let not maternal fondness the unusual exhibition of Stock which has this lead you to its side. The struggle, I know, will day come under their inspection. They can safeliate cannot, however, pass over in silence, his beautiful connexions, Arabella and Tuberon, which have been imported, as they are told, at to them, than at an advanced period. When they mittee are now fully persuaded, that the good celebrity of their youthful appearance, and the processed to require sleep in the day-time, they were conveyed to their remote apartment, by day-light suffer an institution to lag or 1 abour, which is so or in the dark, to them no matter which, and laid by for the night. By this course, the period as well as the prosperity of our country.

They found no difficulty is determining an the abridged, and the energies and mental powers of youth and manhood are more early developed.

Legislative encouragement.

a foresight and liberality which evince their care bury, they award the second premium of \$10, for duce a more careful selection of breeders: and for the best interests of the Commonwealth, have extended their bounty for the encouragement of Agriculture and Manufactures, to another period of five years. This patronage, we trust, is in approbation of the measures we have taken for the improvement of these branches of retired and the improvement of these branches of retired and the committee bad no hesitation in retiring line and the committee on Working Oxen. probation of the measures we have taken for the improvement of these branches of national prosperity and independence, as well as in aid of our further exertions. The specimes of skill, industry, and enterprize, which fur Manufacturers some time suspended between the dairy—and the noble exhibit—the produce of the dairy—and the noble animals from our farms—but, more than all, the congregation of so many of our most respectable by the congregation of some many of our most respectable by the congregation of some many of our most respectable by the congregation of some many whose department gives consequence of the doubts which the Committee on Working Oxen respectfully congratulate their fellow-citizens of the Country of Worcester, on the additional and conclusive conditions and that of John of Princeton, and that of John or the produce of the doubts which the Committee on Working Oxen respectfully congratulate their fellow-citizens of the Country of Worcester, on the additional and conclusive conditions and that of John or the produce of the dairy—and the noble congregation of so many of our most respectable by the congratulate their fellow-citizens of the Country of Worcester, on the additional and conclusive conditions and the congratulate their fellow-citizens of the Country of Worcester, on the additional and conclusive conditions are produced by the congratulate their fellow-citizens of the Country of Worcester, on the additional and conclusive conditions are produced by the congratulate their fellow-citizens of the Country of Worcester, on the additional and conclusive to the congratulate their fellow-citizens of the Country of Worcester, on the additional and conclusive to the congratulate their fellow-citizens of the Country of Worcester, on the additional and conclusive to the congratulate their fellow-citizens of the Country of Worcester, on the additional and conclusive to the congratulate their fellow-citizens of the Country of Worcester, on the additional and conclusive to the congratulate their fell stration that our zeal has not declined.

fed with less expense, is more patient of labour, of correct judgment. and more valuable when this service is ended.

Moral tendency of Agricultural Exhibitions.

and patronize, have no demoralizing tendency; but are productive of rational pleasure and prac tical good. Our trial of speed and bottom calls forth the power of strength and skill to perform of honour to him, who, in the cause we patronize, adds most to the benefit of his country. Our distrown, jun. Esq. for one of the descendants of patient, docile, hardy and efficient labourers, than play of the improved productions of the earth, Holderness. Many others are entitled to notice—the Country of Worcester. However the distin-

his perturbed slumber by his now impatient mate; and of man, and of the firstlings of our flocks, is but they are so numerous that it would be diffi-and, in groping for a candle or a caudle, comes in not made, we trust, in the spirit of ostentation—cult to distinguish.

EXTRACTS EROM THE REPORTS OF COMMITTEES AT THE SAME EXHIBITION.

Committee on Neat Stock other than Working Oxen.

er and child, will lessen, by at least one half, the interests of the community; and defeats the preed this process and its effect in two families, by which was manifested at the early exhibitions of the most tender, but resolute mothers. Their this Society, could not be kept up without great share of our gratification. children, in infancy, were of little more trouble individual exertions and sacrifices. Your Com-to them, than at an advanced period. When they mittee are now fully persuaded, that the good celebrity of their youthful appearance, and the pro-

They found no difficulty in determining on the first premium for Fat Oxen—that of Mr. Asa ever may prove to be the qualities of the differ-Pond, of Petersham, weighing 2,604 lbs. is deci-ent breeds of imported stock now among us, their Pond, of Petersham, weighing 2,604 lbs. is deeidedly the best, and they have awarded to him the introduction will indirectly improve all the stock

and substantial yeomanry, whose deportment gives consequence of the doubts which the Committee this part to which their attention has been directcredit and character to the day, afford a demon- had, they have concluded to divide the premium ed, an important part of our Show. Placed as between them.

The show of Bull-Calves, though not large, has fertile indeed, but must be compelled to give forth not been surpassed in any former year. Those its abundance;—where we enjoy the bounties of Maj. Brown, of Dudley; Mr. Alpheus Smith, nature, as the fruits of victory, not as a voluntary be noticed that the noblest is excluded. The of Leicester; Mr. Dunbar, and Mr. Bacon, of gift, our Labouring Oxen constitute the sinews of Trustees have been governed by the consideration that the breed of Horses common to New-all of the Holderness breed, are of superior size and implements of husbandry would be comparative-England, taking into the account the expense of make. The Committee award the first premium, ly inefficient, and the labour of the husbandman rearing and keeping, and his qualities for labour of \$6, to Maj. John Brown, his calf weighing 924 endless and intolerable. The horse, though a no-on our rugged soil, is the best that can be intro-only and 22 days old; and the se-ble and useful animal, would be, to us, a poor subduced. In addition to this, it is believed that the cond, of \$4, to Mr. Alpheus Smith. These two stitute for the ox-in disencumbering our soil of interest of the farmer is promoted by substituting are so equally entitled, that a preference of either ponderous rocks and deep and spreading roots; in the Ox for the Horse, for most purposes, as he is must be considered as much the result of fancy as the cumbrous draft over a broken and rugged sur-

Fifty-two Heifers were examined by your Committee, many of them of great promise, both for telligent yeomanny would successfully exert them-the dairy and for breeding stock. But two pre-selves to improve the race in their possession. the indispensable labours of life. The pittance miums could be given. The first premium, of \$6. This day has shewn such an expectation well of a premium for excelling, is not given or rethey have awarded to Mr. Job Rainger, of New-igrounded. It may hereafter be reasonably doubt-ceived as a reward for victory; but as a badge Braintree, for one of the descendants of Denton. ed whether any section of this country, or of any The second, of \$5, they have awarded to Salem other country can shew better Working Oxen, as

Much of the stock offered merely for exhibition attracted the particular attention of the Committee. The two rival families of Denton and Holderness present high claims for honourable distinction. Of the former, the sire has, for several years, stood the first in the Show; his descendants have become numerous, and are among the first of our hinds. The males and females exhibited on this occasion, are too many to re-The Committee on NEAT STOCK other than eeive particular notice at a time when every thing induce her to persevere. A few repetitions of the this country, either in number or quality. It task, and it will become as pleasant as any other proves, in the nost unquestionable manner, the endearing service. One week's discipline of mother influence of Agricultural Societies upon the best influence of Northboer and child, will lessen, by at least one half, the interests of the community, and detects the property and to whose liberalitrouble of rearing our offspring. I have witness-dictions of many, that the spirit of enterprize, indebted for its prosperity; and to whose liberalitrouble of rearing our offspring. I have witness-dictions of many, that the spirit of enterprize, indebted for its prosperity; and to whose liberalitrouble of rearing our offspring. I have witness-dictions of many, that the spirit of enterprize, indebted for its prosperity; and to whose liberalitrouble of rearing our offspring. I have witness-dictions of many, that the spirit of enterprize, indebted for its prosperity; and to whose liberalitrouble of rearing our offspring.

The Committee are fully satisfied, that what-It is a subject of gratulation, zentlemen, that premium of \$15—his size, make and flesh, all ensince our last anniversary, the Legislature, with
title him to it. To Col. Seth Wyman, of Shrewsthey occasion make men better judges: they in-

we are in a part of the world where the soil is face, and in working the plough, which must be Twenty-seven Milch Cows were exhibited, 21 impelled with vigorous but steady force, slowly of them for premiums. The cow of Col. Samuel and through continual obstructions. The Ox, Mixter, of New-Braintree, was withoutquestion which patiently bows his neck to the yoke, and The exhibitions we have assembled to witness the best—the Committee have awarded to him cheerfully shares and alleviates the primeval curse, have no demoralizing tendency; the first premium, of \$15. was to be expected that an enterprizing and in-

it would rather adulterate than improve. We lowing. would not be understood, to believe or assert, that The control of the con our oxen have arrived to a degree of perfection. The next year I gave it a top-dressing of light, when the grass had started about six inches, as beyond the capability of improvement—but only but good loam, which appeared to have a favour-previous to this I found the earth daily exuding that there exists no better breed to improve upon able effect. I continued in this course for sever-frost; consequently throwing out and weakening Comparing the present with the preceding Shows, ral years in succession, with the addition of plas-the compost, and checking vegetation. As by under the patronage of the Society, and reflecting vegetation. As by under the patronage of the Society, and reflecting vegetation. As by under the patronage of the Society, and reflecting vegetation. As by under the patronage of the Society, and reflecting vegetation. As by the patronage of the Society, and reflecting vegetation. As by the patronage of the Society, and reflecting vegetation. As by the patronage of the Society, and reflecting vegetation. As by the patronage of the Society, and reflecting vegetation. As by the patronage of the Society, and reflecting vegetation. As by the patronage of the Society, and reflecting vegetation. As by the patronage of the Society, and reflecting vegetation. As by the patronage of the Society, and reflecting vegetation. As by the patronage of the Society, and reflecting vegetation. The soil is particularly the soil in the patronage of the Society, and reflecting vegetation. The soil is particularly the soil is par dence of the beneficial influence of the Society on in the month of November last, I carted on a term) it inhales the manure which is kept moist the agriculture of the county, but are also encouraged to hope that the time will arrive, when I had previously prepared the year before, (being the nutriment and support of the weaker roots of the common and ordinary animals of the country two-fifths loam, two-fifths barn manure, and one-the grass, as the experiment has proved from the

No. 23.

consisting of nearly sixty yokes, from the enter- ed over several times during the summer. prizing town of Shrewsbury. It served to maintain and justify the deservedly high agricultural much importance to keep manures of any sort of the foregoing letter worthy of any attention, character of that town. None but an excellent from the sun; but a simple experiment deter-giving (though it may be to me at least,) a new farming town can have it in its power to produce mined the fact (at least to my own satisfaction,) process in the improvements of old grounds which such a number of superior Oxen. A farming dis- by a small part of this compost, which I exposed are too wet to be profitably ploughed for grain,

Committee on Savine.

ly equal in quality, that the Committee found it what it was, and what could have caused it. I very difficult to determine which were entitled to explained to them my experiment, and shewed the premiums. the premiums.

Committee on the Ploughing Match.

The Committee on the Ploughing Match have and very important part of the exhibition, this day witnessed.

each: 12 competitors were present with teams, consisting of one yoke of oxen each, and drew lots as follows:-

Lot No. 1. Nathan Heard, jr. of Worcester, Peter Williams, ploughman, John Armstrong, driver-work performed in 23' 30".

Lot No. 2. John Sherman, 2d. of Sutton, himself ploughman, Daniel Marble, jr. driver—work performed in 22'

himself ploughman, no driver-work performed

jamin Woodbury, Sd. ploughman, no driver-work performed in 21' 30".

Lot No. 5. Stephen Marsh, jr. of Sutton, Hiram White, ploughman, Stephen Marsh, jr. driverwork performed in 21'.

Lot No. 6. Holloway Baily, of Northborough, himself ploughman, Paul Newton, driver-work performed in 20' 30".

Communication from WARD NICHOLAS BOYLS-TON, Esq. to the Corresponding Secretary of the Worcester Agricultural Society.
PRINCETON, Sept. 10, 1821.

SIR-Much having been written and said by agriculturists on the subject of improvements ing a mixture of light loam and clay, which was since ploughed or harrowed in that period.

guished breeders of other countries may have broken up in the year 1808; but the crops of po- 1 have only to subjoin one more circumstance: surpassed us in improving cattle for the stall and tatoes and grain being very light, I ditched that I did not cart the compost upon the land for the dairy, yet for the yoke, your Committee through the centre in 1810 and laid it down with until the month of November, when frosty nights confidently believe that we need no foreign blood: herd's grass, red top, and clover, the spring fol- with nitrous air, prevented the exhalations by

The crops were not equal to my expectations.

It may not be thought by many that it is of so trict may be judged of by its Working Oxen as to the vertical rays of the sun in June, and left it is at their disposal to make any use of it they safely as by its Barns or its Cornfields. a few days there was produced an efflorescence on the surface of a nitrous salt, so great as to re-The Committee on Swine, have attended to the semble a hoar frost in the early part of winter. duties of their appointment, respectfully Report: I showed it to some of my neighbours, who That there were in the pens 48 Swine, of excellent appearance, and some of the best so near-face of the heap which it covered, and inquired Worcester. was taken, where no such effect was to be seen. And I presume to suggest as my opinion, that exposing manure heaps to repeated washings in

Lot No. 3. William Eaton, jr. of Worcester, imself ploughman, no driver—work performed in 27'.

Lot No. 4. Benjamin Woodbury, of Sutton, Bendin Woodbury, Sd. ploughman, no driver—work performed in 21' 30''.

Lot No. 4. Benjamin Woodbury, of Sutton, Bendin Woodbury, Sd. ploughman, no driver—work performed in 21' 30''.

Lot No. 5. William Eaton, jr. of Worcester, it was cut; consequently competied to be racture against which the charge (in some instances perhaps correct) of viciating morals cannot be brought—the work may be performed at the domestic fireside, by the members of the family, as well as, and perhaps better, than when the labourers are congregated in a large factory.

Industry is not alone the parent of wealth, it is erformed in 21' 30''. ly fit for carting, were 771 cocks. I then desired that virtue has no dictation in. them to go over them again and select seven We do not profess ourselves friends to the cocks, which in their opinion, would be a fair Tariff bill in extenso; but we presume that

the sun, or the growth of weeds.

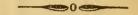
And I did not spread it until the 15th of May, will equal the best exhibited for premium to-day. fifth leached ashes, that I had kept under my time the spreading this compost, the 15th of May

The Committee were highly gratified in being barn, excluded from the sun, but open to light to the 19th of July, the day it was cut, when it called on to view a fine display of Working Oxen, and a free circulation of air.) This I had plough-stood up with a strong body, and measured 3 feet 4 inches in height.

If your honourable Society think the contents

I have the honour to be, with great respect, your obedient servant,

WARD NICH. BOYLSTON. Hon. Levi Lincoln, Corresponding Secretary



FROM THE UNITED STATES GAZETTE.

We invite the attention of our readers to the been highly gratified to find an increased number the rainy seasons, and producing large crops of communication in our columns, (the sixth number the rainy seasons, and producing large crops of communication in our columns, (the sixth number the rainy seasons, and producing large crops of communication in our columns, (the sixth number the rainy seasons, and producing large crops of communication in our columns, (the sixth number the rainy seasons, and producing large crops of communication in our columns, (the sixth number the rainy seasons). of competitors for premiums, in this interesting weeds, greatly exhausts the strength of manures, ber of which is this day published) upon the sub-The result of this last experiment, being en- ject of the Manufacturing of Straw and Grass Agreeable to notice, the ground had been pre-viously divided into lots of an eighth of an acre under oath, and containing nine acres and a claim to a respectful hearing. To all, this sub-quarter, less five rods) which I moved the 19th ject is of interest, but to the thousands in the of July, the product was thirty-one tons, thirteen eastern states who have gained a living, and tens hundred, one quarter, and eight pounds, agreea- of thousands in the middle and southern states bly to the certificate annexed, and probably who might earn a competence, by this branch of would have been greater, had it not been manufacture, it is of the ulmost importance. thoroughly drenched for two days by heavy rains. This is one of the branches of domestic manuafter it was cut; consequently compelled to be facture against which the charge (in some instan-

> ly and expeditiously arrive at the quantity-viz. the preserver of virtue; and while decent and I caused all the hay on the piece to be put into creditable employment is taken from the hands cocks as equal in size as possible, and then sent of our females, by the encouragement given to four persons to examine and correct any inequali-ties in their size, and to count them one after idleness, and a want of the proper means of prothe other. The number of cocks, when perfect-curing a livelihood, send the unprotected, to resort

average, and weigh them together, when it was there are few persons who do not approve of found to be 644 lbs. giving an average of 92 lbs. some part of its provisions, and we think that to each cock, and a result of the quantity already nothing can be more proper than suitable enstated, of 31 tons, 13 cwt. 1 qr. 8 lbs. gross conragement to this particular species of indus-weight, more than three tons and one third of a try.—We have seen the effects of straw plaiting, ton per acre, being a mixture of the best Herd's upon whole villages, in what the toils of the laof grass lands, I determined to make various ton per acre, being a mixture of the best Herd's upon whole villages, in what the toils of the la-experiments on my estate at this place; and on a Grass, Red Top, and a small part of what is call-bourer and scanty production of his churlish part which appeared least likely to compensate ed here, Foul Meadow; and an excellent stock land had merely afforded—the barest necessiror the labour and expense of the experiment, (a wet cold plain,) apparently unpromising soil, bebeen lain down to grass 10 years before, and not endowment; the girls, as they acquired years and strength, have been sent to the metropolis poverty could neither prevent, nor remedy. We er's land, afforded the materials for his daughhearth are the true sources of individual respecnot the promotion of individual happiness.

The introduction of Leghorn hats has again dangers, to which we have alluded. We shall

the congress of our country neglect to secure after these facts, is an insult to common sense. person, but the IDLE person tempts the devil?

It is not for the profit and virtue of the eastern states, where straw plaiting has been most frequent, that we plead, it is for every state, but for our own in particular; in this city, the introduced-and the neglect of such an attempt to secure the amount of duty received thereon. the benefits of this employment to the industrious indigent females of our city, is a stain upon the fair escutcheon of our reasonable philanthropists.

On the Manufacture of Straw and Grass Ronnets .- No. i.

I have already noticed the contradiction by the actual fact of the assertion in the Salem

to seek a menial service, where temptation and merchants' memorial, that 'the European powers prohibit the importation of wheat, barley, rye or

* From a late English Paper.

| 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 49,425,124 Guernsey and Jersey,

Total quantity imported

Amount of duty received, £17,587. 16s.

vices await them; and the parents too often left were relaxing in their restrictions on Commerce. oats, until they reached certain prices at home. to mourn over the wreck of virtue, which their proventy could neither prevent, nor remedy. We riff, applies a similar remark, particularly to the for the quarter of eight bushels, and when it rose have, we say, seen the effect of straw plaiting upon such families, the production of the labour- what singular, that a man who has been so often wheat, upon a duty being paid. Some of their er's land, afforded the materials for his daugh- before the public of England and the United political economists have contended for the unter's industry; the careful mother could watch States as a controversial writer, should risk such restrained freedom of the corn trade: but every over her children's conduct, and see her own examples and precepts insuring competence, respectal inty and virtue to her family. These fireside lessons, and this labour of the domestic hearth are the true sources of individual respectability and virtue to her family. tability and public wealth, for what in a republi-tion government, is a national blessing, if it be duties upon foreign articles, which can in the house on such subjects, but they could not sucleast possible way affect the home industry of ceed .- The object was to lower the present limits their fellow subjects. They seldom require an at which the exportation of grain could take paralysed the exertions of the industrious females existing duty lowered, but often ask to have it place, from 70s. to 60s. and to repeal the duty and families, that once enjoyed the neatness and comforts flowing from the competence which the article, before free.—The Board of Trade are do not wish the subject legislated upon, for fear aggregate industry of each individual afforded, particularly charged with this important and of the movement ending in giving encouragement are again reduced to those inconveniencies and truly hatriotic duty, and they attend to it with a to the free introduction of foreign grain at low dangers, to which we have alluded. We shall zeal and vigilance, that do them the highest hoppices; and yet in the face of such uniform condangers, to which we have alluded. We shall zeal and vigilance, that do them the highest homake ourselves understood by our eastern readers, when we say, that the manufacturers of straw during an increase of duty, than a law is brought hats are now compelled to supply the defect of a broken window, by the remnants of the wardrobe which their former industry purchased; this is an argument with those who remember somestant and argument with those who remember somestant in parliament relying upon their and against "restrictions," and about "reciprocity in trade," &c. &c. and we find their writers supporting the same sentiment of the country, babit of New England. of leaving the business to the Secretary of the ments. It is easy to talk and write thus but as thing of the country habit of New England, of counting a man's wealth by the pains of glass in his house, and calculating his poverty, by the number of that kind of substitutes to which we number of that kind of substitutes to which we have alluded.

In former times of greater public prosperity, the exertions of the head of the family, were sufficient to give, not merely support, but ease and competence to numerous dependants, and least of all was it found necessary for females to resort to any immediate means of adding to the family revenue. The times have changed, and the fathers of families which are not stocked with wealth, look, without any diminution of respectability, to their daughter's industry, for a contribution towards that fund from which her maintenance is drawn; no means more eligible, none

mination to pursue their restrictive system to the not very dignified to say that the Bruish are entered deavouring bu such language, to throw snuff into the eyes of the people of the rest of the world, to blind them, but the idea conveyed by it applies so forcibly that it could not be withheld. The Merchants of Salem and Dr. Cooper, are willing to believe the British sincere on the subject, for they quote what the Bruish are entered deavouring bu such language, to throw snuff into the eyes of the people of the rest of the world, to blind them, but the idea conveyed by it applies so forcibly that it could not be withheld. The Merchants of Salem and Dr. Cooper, are willing to believe the British such the grain and Dr. Cooper, are willing to believe the British such to the eyes of the people of the rest of the world, to blind them, but the idea conveyed by it applies so forcibly that it could not be withheld. The Merchants of Salem and Dr. Cooper, are willing to believe the British such the eyes of the eyes tenance is drawn; no means more eligible, none Leghorn hats of \$13 33 per doz., another of with the Continent, that the United States are as more within the reach of females—and none more \$3.7, on plat not made up, and even a duty of to herself in the business of manufactures. The suited to their habits and system, can be found five per cent. ad valorem, upon imported straw? greater cheapness of labour and living, and their than the braiding of straw; and we trust that if To talk of our relaxing commercial restrictions wider field for agriculture, enables the people of the continue of the continu the continent to undersell the British; they are the congress of our country in section of the congress of our conductive this means of industry and competence to our females, that fashion will for once exercise its conduct in other European powers, to prove what land, until she is all-but starving. Eugland by arbitrary law, in favour of virtue and industry-is here asserted, as Mr. Carcy has quoted several her greater experience, comparative cheapness of yes, it is the cause of VIRTUR. Yes, we repeat of them in his numerous and useful publications, manufacturing labour, arising from the use of it, and we hope it will reach those whose exam- to which I refer all those who doubt the fact, or machinery, low wages, and the poor diet of the ples will have weight, that to give employment to who wish to be informed on the subject.

The British nation it is acknowledged cannot from the temptation of vice. We do not suppose cultivate grain as cheaply as the people of the stuffs made from it, and from wool,* are enabled that the openly vicious are to be reclaimed, but Continent, and hence the landed interest in Eng-we do believe, nay, we assert, that vice may be land, after the late war, were clamorous to par-prevented by encouraging industry. The devil, liament for a protecting duty on foreign grain, stuffs from good cotton; and cat butter and meat; says the Spanish proverb, 'tempts the wicked equal to the burdens borne by the grower of corn twice or three times a day, instead of once a in England. Accordingly an act was passed to week, or once a month, in place of a daily dict ol water porridge, sowens, flummery, or potatoes; and although American workmen are con-FOREIGN Eggs .- The following is an account tented with very small profits, yet the great imof the number of foreign eggs imported into Great portance of the command of cash to the British tion and encouragement of the manufacture of Britain, in the year ending 3th January 1823, (at manufacturer, induces him to sell his goods in grass and straw hats, would be one of the greatest a daty of 10d, her 120) distinguishing the counacts of public beneficence that could be performtries from which the same were imported, with
manufacturers in the United States, require the same protection in the way of duties, to enable 240 them to compete with Britain, that England does 120 for her agriculture against the cheaper cultiva-

* To make up for the actually flimsy texture . 269,278 of the cotton and woollen cloths, made in England for sales at auctions in the United States, 50,641,023 they are thickened with flour of wheat, and starch. The cotton fubrics go to hieces after a few washings.

tion of the continent. Unfortunately many of road, or lane, and amongst fields and woods, if cessary, and would be injurious, to manure for our legislators think otherwise, and from an un- not on the side of a common. To pretend to tell every crop; for that would produce more stalk grounded apprehension that foreign commerce a country-labourer how to build a shed for a cow, and green than substantial part; as it is well will be ruined, oppose any alteration in the present tariff, the absurdity and inconsistency of to make it an independent crection; or, to dwell full of manure, will yield very thick and long which have been amply detailed by Mr. Carey. on the materials, where poles, rods, wattles, rushwe eagerly copy the follies and fashions of Enes, furze, heath, and cooper-chips are all to be ought to depend more on the spade and the hoe We eagerly copy the follies and fashions of England and France, but carefully avoid the sound sense they often exhibit, and most conspicuously be useless; because a man, who, thus situated, can be at any loss for a shed for his cow, is not only understic industry will be duly protected. It is not for the United States to set the example of England talk. Let the governments of Euprope take off their restrictions, and we will do the sound sense they of the follies and fashions of Euprope take off their restrictions, and we will do the hose gotten by him fornothing, or next to nothing, would be taken to preserve the manure; because so will wantstraw, unless you be by the side of a common which gives you rushes, grassy furze, or fern; and to get straw you must give a part of your dung from the cow-stall and pigstory or pope take off their restrictions, and we will do no means neglected. A broad trough, or box, the cow-shed and pig-stye, for the run from these the same; but absolute ruin would attend the nuss fixed on at the head of the cow is the thing to to go into and from which all rups of retinguater. the same ; but absolute ruin would attend the un- fixed up at the head of the cow is the thing to to go into, and from which all runs of rain-water limited entry of foreign goods without duty, nor give her food in; and she should be fed three should be kept. Into this pit would go the empcan we be said to be upon fair footing with them times a day, at least; always at day light and at tyings of the shed and of the stye, and the proas respects protection to manufactures, until our sun-set. It is not absolutely necessary that a cow duce of all sweepings and cleanings round the workmen are enabled to keep out certain foreign ever quit her s'ied, except just at calving time, house; and thus a large mass of manure would goods. A nation without a tariff, would have no or when taken to the bull. In the former case soon grow together. Much too large a quantity more chance of existence, among the nations of the time is, nine times out of ten, known to withthe world, than a bank would have of preserving in forty-eight hours. Any enclosed field or place, its solvency, that redeemed its bills with gold or silver, while all other banks in the same city or purpose, if there be not room at home, no man country with it, were permitted to suspend their cash payments. The position applies with proportional force to a nation, the domestic industry there out upon, to have her led by a string.

100 a quarter of an acre of ground. One good load of wheat or rye straw is all that you would want for the winter, and half a one for the summer; and you would have more than enough dung to will refuse place for her in a fallow field. It will, however, be good, where there is no common to portional force to a nation, the domestic industry turn her out upon, to have her led by a string.

133. Now, as to the quantity of labour that the cultivation of the land will demand in a year. of which is only partially protected, or to a bank two or three times a week, which may be done We will suppose the whole to have five complete paying part in cash. The prosperity of both will by a child five years old, to graze, or pick, along diggings, and say nothing about the little matters

A Friend to Agriculture, Commerce and Manufactures.

Domestic Economy.

FROM COBBETT'S COTTAGE ECONOMY.

130. Harvesting and preserving the Swedes.—When they are ready to take up, the tops must be cut off, if not cut off before, and also the roots; but, neither tops nor roots should be cut off very slightly with straw or litter of some sort.

in England.

paying part in cash. The prosperity of both will by a clint live years out, to grace, or pick, along alguigs, and say nothing about the little matters be restrained in a direct ratio to the unequal the sides of roads and lanes. Where there is a footing in which they are placed, with respect to common, she will, of course, be turned out in the other nations and banks. This is an aphorism in day time, except in very wet or severe weather; ing the owner to be an able labouring man; and political economy supported by the experience of and, in a case like this, a smaller quantity of such a man will dig road in a day. ground will suffice for the keeping of her. Ac- Here are 200 rods to be digged, and here are a cording to the present practice, a miserable "tal- little less than 17 days of work at 12 hours in the let" of bad hay is, in such cases, the winter pro- day; or, 200 hours work, to be done in the course vision for the cow. It can scatcely be called food; of the long days of spring and summer, while it an!, the consequence is, the cow is both dry and is light long before six in the morning and long lousy nearly half the year; instead of being dry after six at night. What is it, then! Is it not bet-KEEPING COWS.

[Concluded from our last.]

129. I have now, in the conclusion of this article, to speak of the manner of harvesting and freserving the Swedes; of the flace to keep the and and of the quantity of labour, that the cultivation of the land and the harvesting of the crop will require. 130. Harvesting and freserving the Swedes.

130. Harvesting and freserving the Swedes.

131. Harvesting and freserving the Swedes.

132. Harvesting and freserving the Swedes.

133. Harvesting and freserving the Swedes. only about fifteen days before calving, and being ter than time spent in the ale-house, or in creepthe cold as the wet that is injurious to all our stock treading the digged ground in that state, she had her line extended, and put in the rows as she ad-132, The Manure. At the beginning this must vanced with her digging, standing in the trench close. You will have room for ten bushels of the be provided by collections made on the road; by while she performed the act of planting, which bulbs in the house, or shed. Put the rest into the residence in a cottage. Let any ten bushel heaps. Make the heap upon the man clean out every place about his dwellings; Nothing could be more skilfully or beautifully ground, in a round form, and let it rise up to a point. Lay over it a little liter, straw, or dead he will find, that he has a great deal. Earth of about her. She had turned her handkerchief grass, about three inches thick; and then earth almost any sort that has long lain on the surface down from her neck, which, with the glow that upon that about six inches thick. Then cut a and has been trodden on is a species of manure.—the work had brought into her cheeks, formed an thin round green turf about eighteen inches over, Every act that tends to neatness round a dwelling object which I do not say would have made me and put it upon the crown of the heap to prevent tends to the creating of a mass of manure. And, actually stop my chaise, had it not been for the octhe earth from being washed off. Thus these heaps will remain till wanted for use. When ground of a quarter of an acre belonging to it, together, the temptation was too strong to be regiven to the cow, it will be best to wash the round about which I could not have collected a sisted. But, there is the Sunday; and I know of Swedes and cut each into two or three pieces with pretty large heap of manure. Every thing, of no law human or divine, that forbids a labouring a spade or some other tool. You can take in ten animal or vegetable substance, that comes into a man to dig or plant his garden on Sunday, if the bushels at a time. If you find them sprouting in house, must go out of it again, in one shape or the spring, open the remaining heaps, and expose another. The very emptying of vessels, of various without injury to that family, find other time to the sum and wind; and cover them again ous kinds, on a heap of common earth, makes it do it in. Shepherds, carters, pigfeeders, drovers, ightly with straw or litter of some sort.

a heap of the best of manure. Thus goes on the coachmen, cooks, footmen, printers, and numerous 131. As to the place to keep the cow in, much work of reproduction; and thus is verified the others, work on the Sundays. Theirs are deemwill depend upon situation and circumstances, and the Scripture: "Flesh is grass; and ed by the law, works of necessity. Harvesting am always supposing that the cottage is a real there is nothing new under the sun." Thus far and haymaking are allowed to be carried on on cottage, and not a house in a town or village street; as to the out-set. When you have got the cow, the Sunday in certain cases; when they always though, wherever there is the quarter of an acre there is no more care about the manure; for, and are carried on by provident farmers. And, I of ground, the cow may be kept. Let me, however, suppose that which will generally happen; enough annually for an acre of ground. And, let case of necessity, than that now under our view, namely, that the cottage stands by the side of a lit be observed, that, after a time, it will be unne-lin fact, the labouring people do work on the Nonat something or other, or they are engaged in part of mankind, we should recollect, that those covered with market gardens, that is the full expursnits a good deal less religious than that of fruits grew in countries that had a sun to ripen tent. How, then, could the Wen be supplied, if digging and planting. So that, as to the 200 hours, the fruits and to put nutritious matter into them. It required ten rods to each family? To be sure,

suppose only an average of 5 quarts of milk a day. In ording that is not wholly innoxious. Out of a pail they are for the use of the persons I am speaking If made into butter it will be equal every week to that has ever had grease in it they will not drink of; for a gentleman thinks no more of raising a 2 days of the man's wages, besides the value of the though they be raging with thirst. Their the skim milk; and this can hardly be of less very breath is fragrance. And how, then, is it he thinks of raising wheat there. How is it, then, value than another day's wages. What a thing, possible, that unwholesomeness should distil from that it requires half an acre, or 80 rods, in a firthen, is this cow, if she earn half as much as the the udder of a cow! The milk varies, indeed, in vate garden to supply a family, while these marman! I am greatly under-rating her produce; its quality and taste according to the variations in but I wish to put all the advantages at the lowest. the nature of the food; but, no food will a cow amply too) from ten, or more likely, five rods of To be sure, there is work for the wife, or daught touch that is in any way hostile to health. Feed ground to a family? I have shown, in the last ters, to milk and make butter. But, the former is young puppies upon milk from the cow, and they done at the two ends of the day, and the latter only about once in the week. And, whatever distemper." In short, to suppose that milk conthat is to say ten loads for a wagon and four good these may subtract from the labours of the field, which all country women ought to be engaged in whenever they conveniently can; whatever the cares created by the cow may subtract from these is amply compensated for by the education that these cares will give to the children. They will learn to milk, and the girls to make butter.—And, which is a thing of the very first importance, they will all learn, from their infancy, to get a just value upon dumb animals, and will grow up in the habit of treating them with gentleness and feeding them with care. To those who have not been brought up in the midst of rural affairs, it is hardly possible to give an adequate idea of the importance of this part of education. I should be very loath to entrust the care of my horses, attle, sheep or pigs to any one, whose father these may subtract from the labours of the field, tains any thing essentially unwholesome is mon-horses. And is not a fourth, or even an eighth. cattle, sheep or pigs to any one, whose father that too, at an early hour. Milk is the natural till they are good for nothing, and then wheel never had cow or pig of his own. It is a general food of young feefile: if it be too rich, skim it them to the rubbish heap. Raise as many radishcomplaint that servants, and especially farm-seragain and again till it be not too rich. This is an es, lettuces, and as much endive and as many kid-They have never seen an animal in which they had any interest. They are careless by habit.—
This monstrous evil has arisen from causes which bowl of cold milk, I regard as a pest; and for this whole of the piece of ground remain undug, till I have a thousand times described; and which pest the father has to thank himself.

be on the skirts of one of these latter; and, then, even a large family with garden vegetables? The crop on the ground than they settle in their minds again, the family may be few or great in number, market gardeners round the metropolis of this the children small or big; according to all which wen-headed country; round this wen of all wens; taking off a crop, and, as they clear they dig and circumstances the extent and application of the produce will naturally be regulated. Under some circumstances half the above crop may be enough; escaphely with vegocially where good commons are at hand.— summer fruits into the bargain. Now, if it demands are not to be expected in a servant; for, it is follow it. They collect as they go in the round this prodigious and monstrous collection of plant. The ground is never without seed in it or plants on it. And thus in the course of the year, they raise a prodigious bulk of vegetables from stances half the above crop may be enough; escaphely well too, and with some circumstances are at hand.— summer fruits into the metropolis of this what is to follow it. They clear they go in the round this prodigious and monstrous collection of plant. The ground is never without seed in it or plants on it. And thus in the course of the year, they raise a prodigious bulk of vegetables from stances half the above crop may be enough; escaphely well too, and with some course of the year, they raise a prodigious bulk of vegetables from some circumstances have about plants. The ground is never without seed in it or plants on it. And thus in the course of the year, there have a prodigious bulk of vegetables from stances half the above crop may be enough; escaphed to the road of a family, the whole would demand, so the product of the road of the road to the road of as soon as calved; at others, to fat it; and, at all but a fraction, nineteen thousand acres of gar-lanother as much as he will for himself. But, if I as soon as calved; at others, to fat it; and, at all but a fraction, nimeter inousand aeres of gar-lanother as much as ne will for hinself. But, if I others, if you cannot sell it, which sometimes den ground. We have only to cast our eyes over happens, to knock it on the head as soon as calved; what there is, to know, that there is not a fourth of the period of in paragraph 137; that is to say, if I of that quantity. A square mile contains, leaving had a garden of 80 rods, or even of 60 rods, of out parts of a hundred, 700 acres of land; and ground, I would, out of that garden, draw a sufficiency of vegetables for my family, and would make it yield enough for a cow besides. I should to the sufferings of both.

they are easily found, without the loss of any of the time required for constant daily labour.

But, as to milk, England yields to no country upon potatoes, carrots and turnips, and especially the the time required for constant daily labour. 134. And, what a produce is that of a cow! I nothing that is not wholesome in its nature; noth- from a great distance, in many cases. But, so vants, are not so good as they used to be. How evil easily cured. If you are now to begin with ney beans as would serve for ten families; and should they? They were formerly the sons and a family of children, they may not like it at first, finally throw nine-tenths of them away. I once daughters of small farmers; they are now the But, persevere; and the parent who does not do saw not less than three rods of ground, in a gar-

a beginning afresh.

135. The circumstances vary so much, that it is impossible to lay down precise rules suited to all cases. The cottage may be on the side of a lane this case at least a thousand times. Now, how proceed. Their rubbish heap consists of little or great road distant from town or village; it may be on the skirts of one of these latter; and, then, large family with garden vegetables? The corp on the ground than they settle in their minds again, the family may be few or great in number, market vardeners round the metropolis of this what is to follow it. They elever as then coning the procedure of the man part were not a beginning afresh.

In the vicinity of towns, or in towns, and who, thrown away. The rubbish heap always receives though they navely even of the procedure. It is not thus that the market-gardeners proceed. Their rubbish heap consists of little or great road distant from town or village; it may much garden ground does it require to supply besides mere cabbage-stumps. No sooner is one of the family may be few or great in number, market vardeners round the metropolis of this what is to follow it. They elever as then coning the part of the processing the part of the proceed.

day morning in particular, all over the country, which were formerly the chief food of a great the Wen, there be three square miles actually the last cabbage is cut. But, after all, the procauses must now be speedily removed; or, they an observation or two to those persons, who live could be gotten rid of, if the main part were not

It is a much greater pity to see hungry children the Wen's market gardens? The very question is go a short way to work with my gardener. I crying for the milk that a calf is sucking to no absurd. The whole of the market gardens from should put Cottage Economy into his hands, and useful purpose; and as to the cow and the calf, Brompton to Hammersmith, extending to Batter-tell him, that, if he could furnish me with vegethe one must lose her young and the other its life sea Rise on the one side and to the Bayswater tables and my cow with food, he was my man; after all, and the respite only makes an addition road on the other side, and leaving out roads, and, that, if he could not, I must get one that lanes, nurseries, pastures, cornfields, and pleasure could and would. I am not for making a man toil 136. As to the pretended unwholesomeness in grounds, do not, in my opinion, cover one square like a slave; but, what would become of the world, certain cases; as to its not believe one word of the constitutions, I do not believe one word of the matter. When we talk of the fruits, indeed, on both sides of the Thames, to the eastward of of ground! I have known many men dig 30 rods

fourteen, digged 20 rods in a day for more than temptible. ten days successively; and I have heard of, and believe the fact, of a man, at Portsea, who digged here recommending.

FROM THE NEW YORK EVENING POST.

ON THE INSECTS WHICH INJURE PLUMS AND CHERRIES.

New-York, June 17th, 1824.

N. GOODSETT, Esq.

Sir-When you brought me a few days ago, or scratch; that within or beneath it, an egg or tessor at Erlangen, &c. nit was deposited; and that when the hatching Until more shall be deprocess had gone far enough, there was a worm assured of my thankfulness and regard or larvæ, which had eaten its way to the surface of the stone, or woody box containing the kernel. Thus, there was proof enough that the integuments had been penetrated; the rudiment of the destroyer inserted; and in several of the specimens, the grub or caterpillar, was actually devouring the pulp.

As soon as I expressed a desire to know what the fiarent-insect or "Imago" was, you produced and heavy, and very foolishly pronounce a libel the creature, which you assured me had laid the on the blood, which is quite innocent, while we fection, the cultivator should make choice of one egg, shy-retiring and difficult to catch; but, which, you had nevertheless, by your perseverance suc- us of our electricity. Yet so it is. In dry weather, in the shade, and sow them in a rich soil, early in

It instantly became a matter of business, or indeed of duty for me, connected as I am, with In moist or rainy weather we feel oppressed and and round the poles wrap some strings of any agricultural and horticultural societies, to determine the zoological character of the animal with
mine the zoological character of the animal with

section of the "Coleopterous order," having the have in silk, which is so excellent a non-conducforepart of the head lengthened into a sort of a tor, that the thunder-bolt, or the forked lightning muzzle, snout, or proboscis, bearing the antennæ itself, could not pass through the thinnest silk or feelers.

tion, to be the Bruchus, whose females are noted for laying an egg in the germ while yet tender ed for laying an egg in the germ while yet tender silk waistcoats, drawers, and stockings, to be the horse trotted over the same ground last summer, and small, of leguminous plants, cereal grains, most powerful of all cordials. Flannel is also good, 12 miles in 30 minutes. palm, coffee and certain other seeds, where it but nothing so powerful as silk. Washed leathfeeds and undergoes its metamorphosis; forming er is likewise a non-conductor of electricity, and on its exit the circular holes which we see in may be used by those who prefer it. But silk is lentils and more especially in peas.

the tribe of Curculio, Charanson, or Weevil; substituting cotton shirts, drawers, and stockings, and to that section comprehending the individuals, with silk ones over them; or where more heat is be short—perhaps not more than two-thirds of whose attenux or feelers are situated near the required, flannel ones between the cotton and the the common crop, owing to the cold weather in extremity of a short rump. They had scarcely silk, for the silk should always be outermost. We the first part of the season, and to the depredaproceeded further than this point in the enquiry, like to give reasons for our advice, and our readers tions of worms, &c .- Our crops of wheat were when you brought me from a neighbouring plan may depend on the philosophy of these recomtation, a few miles out of town, the twig of a mendations—we can answer for their being practically applying which applying the property associated and injured in the philosophy of these recomwhen you brought me from a neighbouring plancherry tree bearing fruit assailed and injured in a similar manner, by the semicircular gashes or Silk, indeed, wounds; and with it the living author of the manner by the weak-in the lining of sleeves, in mischief.

and that the person who cultivated it, should be principal means of preventing consumption, rheu- This last article will prove a ruinous loss, as it

of garden-ground in a day; I have, before I was vulgarly considered as ridiculous, and even con-

You have set your fellow citizens and cotemporaries, a good example. By following it, our ju-40 rods in one single day, between day-light and nior naturalists who are aspiring to usefulness sun-set. So that it is no slavish toil that I am and reputation, may discover there is a very extensive field to be explored; and alluring rewards in store for such of them as perform a worthy service.

And now we know the enemy that mars our expectations of enjoying tasteful fruit, I exhort you and them to prosecute researches, until all its manners and habits shall be known, and a mode tage for many different useful purposes.

of preventing its ravages shall be detected.
This is enough for the present. The specific description can be finished at a future day. That matter of importance to every economical huspart of the task requires the more caution, and green and growing plums that had been invaded delicacy, since the Curcullo, before us, is not for a long time been considered useless, and get by an insect, I gave perfect attention to the discourse you made, and the demonstration which accumpanied it. You gave me the most conclusive evidence that the skin of the young fruit was divided by a sort of semi-circular incision, was divided by a sort of semi-circular incision, the distinguished Godfried Christian Reich, Pro-

Until more shall be done, I entreat you to be

SAMUEL L MITCHELL.

ADVANTAGE OF SILK WAISTCOATS.

known, in fact, we can never enjoy health nor comfort without a proper portion of it in the system. When this portion is deficient, we feel languid never suspect the damp atmosphere of robbing for seed while growing on the vine; dry the seed ceeded in seizing and securing on a tree at Har- whether it be warm, cold or frosty, we feel light March; when they are about a foot high, they and spirited because dry air is a slow conductor of electrity, and leaves us to enjoy its luxuries .whose history you had made me so far acquaint- dy. To remedy this inconvenience, we have only and not suffered to come up spontaneously—then to discover a good non-conductor of electricity they will not degenerate. It belongs to the Tetrameres, or Portebeco; a to prevent its escape from the body; and this we The genus might seem, on superficial examina-dry. Those, therefore, who are apt to become low by far the best; and those who dislike to wear A more correct judgment, however, refers it to flannel next to the skin, will find equal benefit by

Silk, indeed, should be used in every possible

FOR THE AMERICAN FARMER.

NEW AND VALUABLE DISCOVERY.

The Harmonie Society, on the Wabash River, in the state of Indiana, has during a number of years manufactured Oil of Pumkin seeds with good success, but lately they have discovered that well dryed peach kernels also contain an oily substance; and upon the first trial, they have pressed out of seven pecks of such kernels, five gallons of excellent oil, which is very little inferior to sweet oil, and may be used with advan-

And since peaches prosper and grow almost every where in the United States, it might be a bandman to gather the peach stones, which have

small schoolboys for their pastime between the school hours.

FOR THE AMERICAN FARMER.

A ripe tomatoe of excellent flavour, weighing fourteen ounces, and measuring fourteen inches The power of electricity over the body is well Chandler, Esq. of Caroline county, (Va.) on the round, was gathered from the garden of Timothy 27th July; it was weighed and measured by two respectable neighbours.

August, 1824.

N. B.—To raise Tomatoes to the greatest pershould be stuck with six poles round each plant; the plants should be three or four feet apart-

Trotting .- A New York paper says-" The Philadelphia horse beat the New-York mare, spirited and listless in damp weather, will find space of 8 minutes and 52 seconds. The same

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Editorial Correspondence.

Extract of a letter dated Dover (Del.) August 7th, 1824.

"Crops of Indian Corn on the Peninsula, will

Extract of a letter dated Savannah, (Geo.) August 4th.

" Our crops of cotton are now very promising, the stiffness of neckcloths, and even in the entire particularly among the Sea Islands-and those Considering the serious damage man sustains backs of surtous, cloaks, mantles, and in the coplanters have been fortunate with their corn crop, from insects in almost numberless ways, I have always regretted that Entomology, or the branch of natural science treating of their description, it will in the end be found to be the most this state, it is said that the crop of corn will be structive swarms, should be so much neglected; many an apothecary's bill. When it can be a will be a short crop of sweet potatoes with us allowed that the person who cultivated it, should be principal means of preventing consumption, there is a single particularly among the Sea Islands—and those planters have been fortunate with their corn crop, but owing to a long drought in the upper part of the branch of natural science treating of their description. considered as a trifler; a student of bugs and matism, gout, inflammations, melancholy, mad-trifles! It is a subject of infinite regret that this ness, and even suicide itself, no expense ought to highly important branch of knowledge should be be spared.—Edinburgh Weekly Chronicle.

COMMUNICATION.

To the Agricultural Society of South Carolina, the Committee on Publications.

The last year, (1823) I selected two half acres of land, of a light sandy soil, as equal in quality as possible, with the view of ascertaining the most profitable mode of cultivating the Sweet Potato-namely, whether the seed ought to be cut into two or more parts, according to the usual acres were manured equally with long litter or please pardon the delay which has arisen from the barn yard, and the same labor was bestowed on each. The result is as follows—the half acre planted with the cut seed produced 56½ their use, until their communications shall have heaped bushels, being equal to 113 bushels to the been preparate attended to practice, or to be planted whole. These two half heaped bushels, being equal to 113 bushels to the been properly attended to. a re, and gave no vines in time* for slip planting. The half acre planted with the whole seed, gave PRICES OF COUNTRY PRODUCE - careful- am at present, the proprietor's only agent in this 108 hushels, being equal to 216 bushels to the acre, and produced vines early and in abundance As the experience of one year, however, cannot lead to just conclusions in agriculture, I shall con Flour, Howard St., S5 25, wagon price—Do. P. S. Thave likewise BULLOCK'S HEART, but the experiment until I am perfectly satisfied as to the result.

Flour, Howard St., S5 25, wagon price—Do. Wharf S5 DRUMHEAD, BATTERSEA, and SAVOY, as to the result.

This paper is laid before the Society, with a

heriment.

A report of the tobacco inspected at and delihouse during the quarter, commencing on the 5th and free from tags. day of April, and ending on the fifth day of July, MARYLAND TOB in the year eighteen hundred and twenty-four.

	Domestic growth.	of this state.	Re-in- spected.	Total
Number in- spected.	110			110
Number de- livered.	100	٠		100

JOHN H. TILLYARD, Inspector TREASURY OFFICE, ANNAPOLIS, July 31, 1824. True Copy from the original report on file in this office.

B. HARWOOD, Tr. W. S. Md.

THE FARMER.

BALTIMORE, FRIDAY, AUGUST 27, 1824.

The Editor is at his post again, with renewed health and augmented desire, by being useful, to shew that he is grateful to his numerous deners of Baltimore Market, who have made use and generous patrons. He finds on his return a of this seed six or seven years. flattering accession of subscribers, and some valuable communications, which will, as soon as possible, be arranged for publication. He solicits a continuation of the favours of his correspondents; and, for the present, would beg to suggest the want of information as to the effects of the Tariff on agricultural commodities generally, and especially on wool. Will some of his readers in each State have the goodness to give the price of that article, of different qualities, with any remarks. THOMAS LEWIS, SAMUEL REGESTER, having a bearing on the interests and prospects. sible, be arranged for publication. He solicits a

of wool growers? Also, on the use and best mode: of applying lime, to what crops, in what condiforwarded for publication by the Chairman of tion, quantity, and with what practical effects, Sc. &c.

Tr The communication from our correspon-

Correspondents whose favours, whether pri-

ly collected every Thursday, for the American country. Farmer. By ROGERS & SYMINGTON.

This paper is laid before the Society, with a view of inducing others to institute a similar course of experiments.

J. MIDDLETON.

Wacho, 20th Feb. 1823.

*It is said that the vines will take and produce good slips even when put out in dry weather, prospected the prided they are but in a line on the top of the bed season. Flax Seed, rough, 75 cents per bushel— hear of employment upon application to the Edicates.

*In Overseer.

*In Over -Do. Rye, brl. \$2 a \$2 75-Corn Meal, brl. \$2wided they are put in a line on the top of the bed season-Flax Seed, rough, 75 cents per bushel- hear of employment upon application to the Ediand then covered with earth, leaving only four or Timothy, Do. out of season—Hay, per ton, \$10— tor—but, without this evidence, none need apply, where they are intersected by the cross alleys.—

Cts.—Pork, Mess, \$16 00—Ditto Prime, \$12—

Wilder & Campbell, This is a matter of such importance as to merit exferiment.

W. W.

Butter, 7 cts. to 14 cts.—Lard, 9 cts.—Bacon,
6 a 7 cts.—Leather, Best Sole, 24 to 27 cts.—
Feathers, 35 cts.—New Wool, 30 to 35 cts.—Merino full blooded 35 to 40 cts.—3 do. 30 to 35 cts. -1 do. 25 to 28 cts.—Common, 20 to 25 cts.—25 plates, with the places of growth and times of vered from Tracy's Landing Inspection Ware-per cent, more when well washed on the sheep cording to Linneas and other authors, with a

MARYLAND TOBACCO.-Fine, vellow, 25 to 40, scarce-fine, spangled, 16 to 20, do-fine, red, 13 to 16, do-good, do. 6 to 10 do-common, 3 to 5,

plenty-dark brown, 2 to 3, do.

Superior Cabbage Seed!

The subscriber hath received by the Mogul from Liverpool, a supply of very fine EARLY PETER DUDGEON, Lecturer in Botany—1 vol. roy-YORK cabbage seed, which he will sell at the al 8vo. bound in calf—price, coloured, \$10—plain, low price of \$3,50 per pound. He has also late- \$6. This work is highly recommended by Dr. ty received a fresh supply of the very excellent seed called EARLY GEORGE CABBAGE, the Flora Boreali, Americana: by A. MICHAUX production of William Waitland, Esq., who has 50 plates. discovered the method of vaising the seed so as to prevent any of the plants from running to seed in the Spring.—This seed produces very genuine plants, which are very hardy in standing the winter, and they make hard WHITE Agricultural Works on hand. HEADS from two to three weeks sooner than the EARLY YORKS.

In confirmation of the above I here subjoin the testimony of some of the most respectable Gar-

Baltimore July 14th, 1824.

The price of the above seed is 57% cents per ounce, or \$5 per pound—the ounce will yield upwards of 2000 fine cabbages .- The time to sow this seed is from the 8th to the 15th of September. Printed directions respecting the prodent respecting the management, produce, &c. of per soil, treatment and cultivation of these cab-the farm of Earl Stimson, Esq. with an analysis of bages, will accompany each parcel of the seed. his soil, &c. was received too late for this paper. Orders, with remittances, from all parts of the Union, will be promptly attended to, if directed to Samuel Ault, No. 7% Bridge-street, Baltimore. vate, or for publication, have been neglected, will And, to prevent mistakes, impositions, &c., upon

N. B .- Any seed that may be offered to the public as EARLY GEORGE CABBAGE, unaccompanied by the label as above, is spurious, as I

SAMUEL AULT.
P. S. I have likewise BULLOCK'S HEART

BOOKSELLERS, 143, BROADWAY, NEW YORK, Have for sale, one copy of the Flora Londinensis, with several hundred beautifully coloured particular description of each plant in Latin and English; to which are added their several uses in medicine, agricultural, rural economy, and other arts: By WM. CURTIS—in two large folio vols. bds -price, \$75.

Elements of Botany: by Robert J. Thornton,

with 160 plates and numerous dissections, arranged according to the Lennwan System: By

Smith's Flora.

Eaton's Manuel of Botany.

Conversations on Botany, with twenty-one co-loured plates; with various other Botanical and

W. & C. have made arrangements by the residence of their Mr. Cam, bell, in London, for receiving regular supplies devery interesting work in Agriculture, the Arts, and Sciences, &c. &c. TF Orders solicited

CONTENTS OF THIS NUMBER.

Extracts from Agricultural Addresses, &c &c.—Communication from Ward Nicholas Boylston, Esq. to the Corresponding Secretary of the Worcester Agricultural Society.—

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utility, of the MILITARY ACADEMY at West-Point. I did so in the hope that your readers might be gratified with a nearer view of an Institution, supported by the nation, at considerable cal bearing upon the agricultural interest; by sending throughout the country, every year, a number of highly accomplished civil Engineers, whose talents may be put in requisition, to ascertain the practicability, the route, and probable expense of ROADS AND CANALS, by means of which the products of the most distant points, are made virtually to approximate the best markets; at the same time that they serve as links of great chains hand of nature, as it were for the very purpose of to bind the States in union, indissoluble. The recent addition to the studies of this Institution, of Mineralogy and Chemistry, as applicable to the useful arts, will diffuse amongst us a mass of information on these subjects too, which cannot fail it. The view from this precipice, to those who to be highly beneficial to the cause of agriculture. The minerals turned up by the plough, or found of Shakspeare's description of the Cliffs of Dover in the course of turnpibe roads and canals, may be analyzed, and their value ascertained; soils may be examined, and their constituent parts being known, these may be combined in such proportions as may best conduce to the sustenance of the crops to be cultivated; in short, not only agriculture, but all the useful arts, will be bencfitted by the agency of the science which this establishment will spread over the face of the Union, and which cannot be acquired so thoroughly and in the same degree at any other place.-Let those, then, who would grudge the pittance they contribute to the support of a school which most people suppose to be sheerly military, be contented with the reflection, that besides rearing for our army accomplished gentlemen, versed in the laws of nations and the constitution of their country; accustomed to subordination, and animated by high notions of honour and humani-ty; it will furnish a succession of thoroughly taught Mathematicians, Engineers, Chemists, and Mineralogists, perfectly well qualified and disposed to confer upon society the countless advantages which are now resulting from the application of those sciences to all the domestic and valuable pursuits of civil life.

I might have been excused, had I mentioned as a fact of some personal interest to yourselt, that about 10 miles below West-Point, we passed " Stoney-Point," memorable in history, from its having been so gallantly stormed during the revolution by a detachment from the American army, commanded by Gen. Wayne. I need not remind you that your uncle, Capt. afterwards Col. John Stuard, or Jack Stuard, as he was familiarly called, honorary medal, which had been struck for your uncle by order of Congress, with emblematic devices; one of which represented him with bare

feet as he actually entered the fort.

Leaving West-Point at 5, P. M. we landed at midnight, at Catskill Village; and, at our leisure, from the Tavern, are well worth seeing, not for voluminous and splendid cataract of Niagara. after breakfast, the next day, in a fine " Springseat" coach, and over an excellent turnpike, we for the depth to which it tumbles, and the wild work in the way of the traveller, as if to give set out for the top of the mountain, 13 miles dis- and romantic dell through which it makes its way him a foretaste and tempt him on to the contemtant from the Village, in company with the four as if to regions of unfathomable darkness. English gentlemen, before mentioned, who are making a tour of our country, Mr. and Mrs. H. ing to enjoy the splendid prospect from the lofty and Mrs. S. of your city. The first ten Catsberg or Catskill Mountain. The house, erect-parison of the two objects:—

OBSERVATIONS OF A CORRESPONDENT, miles passes you over a handsome undulating and ed by a company of citizens of the Village, is 60 on a visit to saratoga,—NO. IV. Improveable farming country, when you begin feet front and three stories high, with very extensive accommodations and a piazza that affords tensive accommodations and a piazza that affords the seriously to climb the "steep ascent," step by In my last I gave you a brief sketch of the orisome by a drop of the "blue ruin," and others cording to the design of the company who own by paying "THREE CENTS FOR A SIGHT AT A it, this building is only the north wing of a grand BEAR," which you do the more cheerfully, since establishment, intended to be 180 feet front. It you meet with him under perfect subjection, is at present badly kept, by a man either igno-where you might expect to encounter him in a rant of, or above his business, the too common expense; and the more especially if they took contest for the mastery of his native haunts, that fault of American inn-keepers, who forget the into consideration, as there intimated, its practi- you are just going to penetrate. The road winds, naturo and duties of their adopted station, and as the ground admits, along the side of the mounthe truth of the maxim, that "keep thy shop and tain, in serpentine form, through vines and forest thy shop will keep thee."

trees, of great variety and beauty, admitting no We returned the same afternoon to the Village, where of a view of the Hudson Valley below you, until it suddenly breaks upon you in all its wide board a third boat, the Richmond, by which we encode provide provided the front of the hotel on reached Albany at 3 o'clock, P. M. The stagespread magnificence from the front of the hotel on reached Albany at 3 o'clock, P. M. The stage-the summit of the mountain, where a flat table rock fare from the Village to the top of the mountain about 200 yards square, has been spread out by the and back is two dollars. supporting an observatory, whence the eye takes Villages in sight on the river between New-York in at a glance a portion of five States. The margin and Albany—a list of them may be interesting of the rock immediately in front of the Tavern to the traveller: overjets the ground for some hundred feet below

- "How fearful

And the site of the "Catskill-house" itself corresponds yet more exactly, I might say, almost to a fraction, with that of the Convent of Laverna, as described by Barry Cornwall, in his Marcian Colonna-

"Chasms of the early world are yawning there, " And rocks are seen, craggy and vast and bare ;

"And many a dizzy precipice sublime,
"And caverns dark as death, where the wild air

"Rushes from all the quarters of the sky:
"Above, in all his old regality,

"The monarch Eagle sits upon his throne, or floats upon the desert winds, alone.

" There, belted round and round, " Black pine, and giant beech, and oak that rear

" Their brown diminished heads like shrubs between, " And guarded by a river that is seen

Flashing and wandering through the dell below, Laverna stands."

several miles distant from any human habitation, which winds its way under your eye for 70 miles and value of the Eric Canal; you were answerthrough the cultivated Valley below!!! It would ed with an edifying commentary upon Governor of the extent and variegated beauty of the landscape seen from this spot. It far exceeded my anticipation after all I had heard, and it may be doubted whether any country can boast of one so vast in extent, together with such a combination of bold and beautiful features; from the loftiest Stuard, or Jack Stuard, as he was familiarly called, specimens of rude subminity, to the solvest scene and after whom you take, I suppose, the name of of civilization, and the most splendid exhibitions of art; for where in all her works does art exhibit any thing more majestic and impressive than of 6,000 inhabitants. The next morning we purely the control of that brilliant achievement, in consideration but any thing more majestic and impressive than of 6,000 inhabitants. whereof, and of other services, Gen. Washington the sight which you enjoy from the portico of this sued leisurely the line of the Canal, by Cohoes delivered to his representatives after his death, an mansion in the clouds, of numerous steam-boats Falls and the Aqueduct, before we turned to the wending their rapid way in defiance of winds and right for Saratoga. The Cohoes, or Falls of the tides, and carrying on their bosom thousands of Mohawk, would, of itself, be regarded as an oball ages, climes and sexes, with views and pur-ject worthy of a visit by all travellers, and would suits as various as the vocations of human life?

the volume of water, which is inconsiderable, but Nature appears to have thrown this miniature

Rely on it you should never pass without call-the Great Canal.

and embarked the next morning at 10 o'clock on

The following are the names and distances of

King's-bridge, 12 | Rhinebeck, Philipsburgh, 4 Livingston Manor, Farry-town, 11 Catskill, Croton, Hudson, 8 Verplank, Kenderhook, Peckskill-landing, Baltimore, Fort-Montgomery, 6 Albany,

West-Point, Newburgh, Total, 148 Poughkeepsie, 14 Fare and diet, \$4.

Arriving at Albany on the Saturday preceding the extraordinary session of the legislature, we found the town crammed full, even to overflowing; so great was the concourse of legislators, editors of newspapers, politicians of all grades and factions, and strangers of every State and country; that it was difficult to find a resting place, even for a single night. If the occasion for calling the legislature was extraordinary, the excitement produced by it was no less so. Did you speak to a citizen, or a fellow sojourner at the Tavern, of objects naturally presented to the mind by the local associations, such as the genius and ability of CLINTON for devising publick works and institu-So stands this Mountain Hotel on a bare solid tions of general utility; the unostentatious munirock, in the gloomy recess of the darkest forest, ficence and efficient personal agency of Van Ranseveral miles distant from any human habitation, sellear in promoting such objects; did you advert at an elevation of 3000 feet above the Hudson, to the splendour of Hudson scenery, or the extent be utterly impossible for me to give you a just idea Yates' proclamation, a patriotic descant on the rights of the people, and the practical difference between the doctrine of the "ins" and the "outs.' As mere passengers going to worship Hygiea, and not expecting to find that Goddess in the heated atmosphere of a city where the political mercury stood at blood heat, and the physical atmosspecimens of rude sublimity, to the softest scenes phere not much below it, we lost no time in set-The "Catskill-Falls" about two miles distant rily compared in the mind with the yet more excite greater admiration were it not involuntaplation, of her chef d'æuvre at the termination of

This idea will appear the less fanciful by a com-

Vol. 6.-24.

[&]quot;And dizzy 'tis to cast one's eyes so low!
"The crows and choughs that wing the midway air,
"Shew scarce so gross as beetles:"

40 feet.

the height of your Washington Monument in ces. Howard's Park.

The view of the Canal from Albany to the Aqueduct, is highly satisfactory; for, after all that you may have read, you feel that you have never thoroughly understood the structure of the locks until you have seen them. Within the space mentioned there are nine locks at one point; and at the sight of an Aqueduct of 1100 feet, in which boats cross the Mohawk at right angles above it, you are at once sensibly impressed with the vastness of the great work, whereof this is but a sin- a worthy nephew of Napoleon the Great, who country, prevails for 16 hours out of 24. A long gle feature, in the proportion that one link bears has pitched his tent as a farmer in the territory continuance of this wind causes almost every to the chain cable of a 74.

Seeing that "INTERNAL IMPROVEMENTS" constitute one of the topicks to which your Journal of a great portion of the country so happily acquality. In July the sun having more power by is devoted, I shall be justified in giving here a quired by Mr. Adams' treaty with Spain—to reason of fewer clouds and less rain than in the short statement of the rise, progress, cost, benefits, revenue, &c. of these Canals, and the more tions; and we trust it will prove amusing and ac-process of evaporation is expedited, which if the especially as it may serve to rekindle the flickering zeal which, for a short season, seemed to ani- tion to, or concern in the subject of it, be proxi- highly prejudicial to health. This occurs, howmate the once enterprising citizens of Baltimore, mate or remote.

Lakes Erie and Ontario, and the tide waters of prosperity of the territory is retarded by the malthose who indulge to excess in animal food and
the Hudson. In 1812 they reported the practical administration of the general government. But bility of connecting these waters by canals, and as these reflections are for the most part of a ordinary seasons when the sea breezes prevail, estimated the expense at from 5 to \$6,000,000. general and sweeping character, as we know not we have little to fear from fevers, if prudence Application for aid was made to the general gothe justice of such as are more specific; and as, and precaution are observed. With regard to vernment, I believe, by Governor Clinton, in perabove all, we are determined not to permit any winter diseases, they are mild and seldom prove son, with the authority of the State, but they political discussions to find their way into this fatal, unless the constitution be worn down by old declined all assistance. In 1817 the legislature Journal, we have omitted all observations of the age or intemperance. of the State, influenced by the lucid and pro-found views of the subject, presented in a memo-the concurrence and at the suggestion of our esrial drawn by him, were prevailed upon to create teemed correspondent before mentioned.] "THE CANAL FUND," and accordingly in that year, on the Anniversary of our Independence, the ground was first broken for this great workan act sufficiently pregnant with important results, to make, of itself, an epoch in the history of the growth and power of this Republick. So rapidly has this undertaking progressed, that on the 16th of November last, arrived at New-York the first vessel or boat that ever reached that port through the Eric canal. This was the schooner "Mary and Hannah, of Factory Falls" in the town of Aector, Tompkins county, situate on the south-eastern extremity of the beautiful Seneca course of the lake, Seneca out let, Erie canal, and tention. Hudson's river, 420 miles from New-York. She East 1 was owned by two enterprising farmers, one of reference, is properly divisible into two climates, whom built her himself with the timber of their tropical and temperate; the demarkation being own lands, and also rigged her from their own pretty accurately defined by the parallel of latimanufactures, including the greater part of the tude 29 degrees, the southern division or peniniron work, blocks, cordage, &c. Henavigated her sula being seldom pervaded by the cold N. W. to N. York himself as master, with his partner as winds, (so common to the southern states,) from supercargo—thus exhibiting a most noble example the influence and warmth of the surrounding gulf. pine lands of various descriptions—the next diof the character of a practical agriculturist, methanick, ship-builder, mariner, and merchant, in a slight degree, and with this exception the
united in the person of one of the ingenious and
climate is similar to that of the West Indies.*—

Of the pine lands the soil is composed chiefe. cuterprising citizens of this State. The schooner bears the names of the wives of the two owners, and brought a cargo (much of it from their own farms) consisting of 800 bushels of wheat, 3 tons that the names of the wives of the two owners, and brought a cargo (much of it from their own farms) consisting of 800 bushels of wheat, 3 tons that three days with intermissions of a week or farms. forests of the west.

gratified with the condensed view of these great shade and the greatest change 8° in 24 hours. works, their origin, course, rise and fall, distantes, cost, revenue, and advantages, which is presented by the following extracts, derived from a grove, banana and hiccaco plumb.

is 1000 feet wide, and falls in perpendicular height account of the State, by Mr. G odenow, to whom mildness of the climate from the fact, that while The Niagara Falls on the Canada side, is 1800 especially, are much indebted for the collection New-Orleans, Pensacola, and Georgia in the sefect wide, and that on the American side 900, and lucid exposition of so many valuable facts to vere frost of February, 1823, the groves of St. the perpendicular fall of which is 160 feet, about illustrate its rapid growth and immense resour-

[We must defer these extracts to our next.]

AGRICULTURE.

EAST FLORIDA-A condensed view of its climate.

wit: its climate, extent, soil and natural produc- preceding month, it necessarily follows that the ceptable to all our readers, whether their rela- wind continue from that quarter cannot but prove

Ed. Am. FAR.

whom was assigned the duty of reporting upon the agricultural capabilities and prospects of the territory, beg leave to submit the following summary which contains all the information they subjects referred to them :-

In taking a view of the agricultural capacities lake, near 40 miles south of Geneva, within about and prospects of the country, its elimate and the indications in the numerous mineral springs, sul-28 miles of the Pennsylvania line, and by the character of its different soils will first claim at-

East Florida, to which this report has exclusive and other products of the fruitful soil, waters, and but the instances are rare. The climate is generests of the west.

I persuade myself that your readers will be perature maximum of summer heat 92° in the

The next description which prevail

The sheet of water which makes Cohoes Falls very comprehensive and well arranged statistical correct idea might be formed of the prevailing the publick at large, and the citizens of that State orange trees of 20 years standing were killed in Augustine and on St. Johns only lost their leaves and produced fruit the same year.

With respect to our diseases, the remitting fever may be considered as the principal cause of the mortality in the N. E. section of Florida.— The month of May is generally dry and pleasant, with cool and refreshing sea breezes, occasionally interrupted, however, by S. W. and N. W. winds. soil, extent, and natural and cultivated produc. In June the rainy season is expected to commence, and so continue until July, during which time the [For the following interesting sketch of East S. W. winds, which may be considered the most Florida we are indebted to Mons. Achille Murat, insalubrious wind that blows in this section of the described. This report, condensed as it is, pre-thing which comes within its influence to become sents in a clear view the most important features mouldy, which is a strong evidence of its noxious ever, in extraordinary seasons, and even when It is but 14 years since commissioners were first appointed to explore the grounds between tions, in which it is affirmed, that the growth and who are much exposed to the meridian sun, and

Before entering upon the interesting subject of the soils of the territory, we would observe that a mistake has hitherto prevailed respecting the geological character of Florida, it having been considered by Cleveland and others as consisting [FROM THE ST. AUGUSTINE'S PAPER, OF JULY 3.] of alluvial deposit; while, by the recent investigations of Mr. Pearce, whose contributions to The Committee of the Agricultural Society to geological science are sufficient evidences of his competency to decide upon the subject; it appears that the general basis of the country is of secondary limestone; a fact of much importance, both as regards agriculture and other sources of are enabled to collect for the present upon the prosperity, for in a region of this formation not only may a productive surface be expected, but beds of minerals and metals may also be supposed to exist; of these indeed there are sufficient phur and chalybeate, which are found in different parts of the country.

> East Florida, if considered as bounded on the water, and deducting therefrom 1-3d for water, leaves 20 millions of acres of land of various descriptions. The largest class of these consists of

Of the pine lands the soil is composed chiefly of silicious sand, with some admixture of yegetaof the best quality are characterised by the occurof butter, 4 barrels of beans, some fresh salmon, a fortnight; it sometimes occurs earlier and later, rence of red oak and hickory intermixed with the prevailing growth of pine, and with an excel-

> The next description which prevails to a great extent is characterised by a growth of the long and short leaved pine, with an undergrowth of the grasses, whortleberries, gall berries and other shrubbery, and near the sea by the saw palmetto-

^{*} Among the plants common to both are the man-

are also some districts called scrubs, very poor, to the acre, but with the usual casualities the and its value cannot be too highly appreciated, covered with a growth of dwarf oak, myrtle, average is 150 lbs. The casualities attending this where we have such extensive districts adapted

been found to be very productive, bringing in pillar, has but rarely appeared and the injury shrub, rises to 12 feet. Many fields of it are planteven the sugar cane, and affording good pasturage from them has been partial. The red bug is most ed, but we cannot arrive at a correct estimate of all the year round, the tops of the grass only being killed by the frost. It is believed that by the hand picking. By the practice of rattooning a rally rated at 25 bushels of seed to the acre and suppression of the practice of burning which has portion of the crop, the Florida Planter is ena- two gallons of oil to the bushel. hitherto been so prevalent in aid of hunting and bled to effect a considerable saving of labour. grazing, both the timber and soil throughout the territory would be improved.

rative elevation, prevents the accumulation of wa- vannas. ter; of this denomination we have the white, The brown coloured soil has been es-

Low hammock is more accessible to water, and is but not sobbed and does not require to be harden ed by draining like swamp land; but in many in stances slight draining would be required.

cinity of the water courses generally.

neighourhood of swamps and water courses.
Swamp lands properly so called under the sevcral distinctions of tide, river, and inland swamps, a grove.

form the least extended class of our soils. The The lemon lime, bergamot, citron, and shadsoil is generally saturated with water and boggy, intermixed with clay or calcareous matter, sometimes resting upon sand, that again upon marl .-These lands require to be drained to the bottom, abounds in many parts of the territory. They occur at the sources and along the borders fruit is not surpassed if equalled by any of the

jacent to the low hammock.

The savannas or prairies are uniformly flat, tion nearly a year after attaining maturity. bearing but few trees with a dense growth of long leaved grass. Lying a little below the general abundant in the territory; and being of a hardy level in rainy seasons they are subject to the depth nature, is frequently raised near the sea coast as of a few inches. The soils of the great Alachua a protection for the sweet orange groves against savanna and those of Okliwaha and Dunn's lake, gales of wind. The juice has always been an arbottomed on clay, and at Matanzas on marl. We an article of commerce in this country as in Euhave no notes of the soil of the other savannas, rope which abound in all the vallies of the territory; resemblance in other respects, with the savannas of produce we can only ascertain from the yield last year, and the pine apple has been raised in enumerated. They are fertile, and many of them of the trees in France, where it produces from 13 St. Angustine with the assistance of walls in the susceptible of being drained by the mere removal to 15 bushels. The olive trees in the country are of the vegetable obstructions which back the waltendard to 15 bushels. The olive trees in the country are of the vegetable obstructions which back the waltendard to 15 bushels. The olive trees in the country are of the vegetable obstructions which back the waltendard to 15 bushels. The olive trees in the country are of the vegetable obstructions which back the waltendard to 15 bushels. The olive trees in the country are of the vegetable obstructions which back the waltendard to 15 bushels. ter upon them while others lying in the neigh-the time of the Spanish government. A few at the whole of this extensive and valuable family bourhood of water courses, could be easily drain. Mosquito are surrounded by a rival growth of trees would undoubtly flourish in Florida.

Another description of these lands has the surface thinly clad with pine, scrub oak and grass, is fine, and in value it rivals the best Georgia sea propagation in this country. In Europe the olive with occasional patches of sand exposed. There island. Uplands of 200 lbs. have been produced is ranked next to bread as an article of necessity, prickly pear, &c.

The first and second qualities of pine land have sional extreme in drought or gales. culture are the catterpillar, red bug, and occa-sional extreme in drought or gales. The catter-

Rice, since the time of the British coloniel government, has not been cultivated, excepting in High hammock lands are those whose compa-small fields, on the margin of the swamps and sa-

The cultivation of Indigo has also been sus-

teemed the most rich and lasting, and the white the least so; but generally the high hammocks are of a warm and productive quality, being enriched by vegetable and calcarious matter and clay combined with sand. These lands are the most inviting to the farmer, as the cultivation of lia, Iron Wood, Palmetto, and Juniper; the four most inviting to the farmer, as the cultivation of lia, Iron Wood, Palmetto, and Juniper; the four strength quite sufficient to warrant the belief that them at the outset, is attended with less expense and affords more immediate returns, than the safe of which are in high estimation and much last of which are i upon marl.

The sweet orange tree rises 36 feet and spreads characterised by a growth of every description of 30. Its highest produce i 6000 oranges, this bullisis, indicated by Bartram as more eligible for the oak, together with the cedar, ash, sour orange quantity having been gathere—from one tree on cultivation than any we could import, is indige-and palmetto. The soil is more heavily charged the St. Johns: its longevity is traced to 116 years. than the high hammock, with vegetable matter, In Florida the obscurity of our annals prevent its marl and clay, and in most places is bottomed by duration being further traced: in France there an oil superior to that of the olive, grows with us one or the other of these strata. This soil is moist are trees ascertained to be of five centuries stand- in great luxuriance, and also the arrow root. To ing. This tree begins to bear in seven years from these add bees wax, deer skins, tar and naval the seed, and every successive year its produce is stores, turtle and oil, which are already among This increased until the period of 18 years, when it our articles of export, while silk, Spanish tobacclass of hammock is more productive and duramay be said to attain its full maturity. There co, ginger, so ble than high hammock, and is peculiarly congerate no complete orange groves in the territory, be readily in nial to the sugar-cane. It occurs generally in the but many are establishing on a large scale. The productions. may be said to attain its full maturity. There co, ginger, spices, and a variety of drugs, might are no complete orange groves in the territory, be readily introduced, and added to the list of our apportionment of 100 trees to the acre, is considcred as the best rule to be followed in setting out variety is scarcely less extensive.

dock trees, are more sensible of cold than the more attention to aspect than the peninsula.

of our rivers and creeks, and not unfrequently ad-orange tribe. It is pleasant, wholesome and nutritive, and hangs on the tree in perfect preserva-

The sour orange tree, is also indigenous, and are composed of sand and vegetable mould and ticle of export, and the peel might also be made

Amongst the productions of the territory, the black seed or sea island land cotton holds the first rank. For this culture the little hammocks and longevity it resembles the orange tree. Seve-here in a congenial soil.

The Palma Christi, or castor oil nut tree, or

Sugar cane was cultivated by the British colonists, but was neglected under the paralyzing policy of the Spanish government. Since the transfer of the country to the American Government. the cultivation has been re assumed with the Otaheite and other seed by various planters from grey, yellow, and brown hammock. All of these pended, although the Florida Indigo has borne a St. Mary's to Volusia, on the St. Johns. Their produce the live oak, bay and laurel, intermix-higher character in the European market than efforts have hitherto been confined to the propa-ed with the hickory, mulberry and bittersweet that of the other British Co. nies. Amongst the timber trees of Florida may be piration of the season to ascertain the practical the southern states.

The vine flourishes well, and the bull grape or

The Bene or Sessamum Indicum, which affords

Of the articles of domestic consumption the

Indian corn may be said not to have succeeded so well as in more northern climates; the planters of this country have long been in the use of and consists of animal and vegetable excrement, orange, and in the northern situations require a small grained flint corn with a large cob and spreading foilage; a change of seed would un-The bitter sweet orange tree is indigenous, and doubtedly produce an improvement in the crops This of this grain.

The sweet potato, has been cultivated in a variety of soils, and its mesne produce may be estimated at 250 bushels to the acre; in size and flayour it is no way inferior to those produced further

north.

The comptee, a farrinaceous root analogous to the arrow root, yields anutricious meal in greater abundance than the latter, and grows wild to the south of St. Augustine. This, together with a species of native potatoes and turnips, are much

used by the negroes and Indians.

The Banana has brought its fruit to perfection The olive tree like the orange, rises 36 feet and on the plantation of Gen. Hernandez, at Matanzas, but from their similarity of situation we infer a ramifies to about the same extent. Its quantity 18 miles to the south of Augustine, during the

We cannot conclude this cursory view of the country without noticing the advantages it possesses in point of pasturage. The raising of cattle and horses, was conducted with great success, both by the Indians and white inhabitants, previous to the recent troubles of the province; the cattle raised in the savannas were so remarkably fine, that Gen. Jackson when in the country had a selected portion of them conveyed to Tennessee, to improve the stock on his farm, in that state

Fertility of soil is not, as we all know, the only source of agricultural prosperity: manuring and good husbandry are also essential, and for the former we possess the materials in the utmost abundance; and much of the labour of ordinary husbandry would be lightened, by the loose and fria-

ble nature of our soils.

Our facilities for water transportation, are not surpassed in any part of the United States, and an intercommunication by means of canals may be easily effected through every part of the country. A survey has been ordered by the general government, of the country between the Suwaney and St. Mary's, with the view of opening a canal between the heads of those rivers, through the Ockefenoke swamp, the distance not being more than 18 or 20 miles. This would shorten and fa cilitate the communication between the western and Atlantic States, and would not fail to produce great collateral benefit to Florida. Were the course of the canal directed from the Suwaney, through Black creek into the St. Johns, the expense of the work would be much lessened, and the route between the Atlantic and the west not materially lengthened. The St. Johns, running parallel, nearly its whole course with the Atlantic, may at different points be connected by short canals, with the ocean; while it might easily be made to communicate with the gulf on the west, by the streams which run in that direction, and head near it.

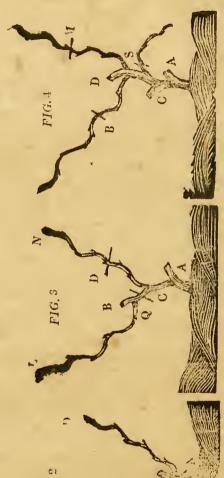
The necessarily succinct view of the climate, soil and productions of Florida, will serve to evince, that it is not from the want of natural resource and advantages, that it has not advanced in prosperity, as rapidly as the other territories that have been added to the Union.

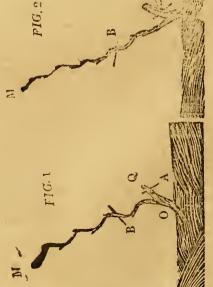
W. H. SIMMONS, G. J. F. CLARKE, P. MITCHELL.

June 24, 1824.

THE CULTIVATION OF THE VINE.

We take pleasure in the belief, that those of our correspondents who have written in relation to the Vine, and the adaptation of our soil and climate to its growth, and the importance of the subject as a matter of comfort and economy, have succeeded in awakening the public attention to this very interesting object .-Enquiries begin now to be made of us, where cuttings are to be had, and how they are to be treated .- In answer to these we have the same answer to make which has been given on various occasions-To wit-That we put in the FARMER, all we gather on every subject to which it is devoted.—The previous volumes of this journal abound in essays and instructions on the topick in question; still every day is developing something new, and it is our pleasure to collect whatever may be new and useful.— In regard to the practicability of obtaining cuttings, it has been made known that Major Adlum of Georgetown, (D. C.) has them for sale in great variety at the proper season, and if there be others who can supply them, we shall be glad to proclaim it.—We have no doubt the time is coming when the demand for good grape cuttings will be very extensive, and the very low price of all the ordinary staple commodities admonishes the farmer to cast about for other and more profitable objects on which to bestow his care and labour.—The culture of the vine is easy, simple, not laborious, and ever amusing. Every farmer might without one dollar of additional expenditure, at least supply his table abundantly with this delicions and wholesome fruit.—The tending of the vines in the garden should be one of the favourite amusements of





himself and his family.—To those who may be disposed to give it the attention which it merits, the following instructions for planting and pruning, which we derive from the Winchester Republican, will be acceptable and useful.—We invite for this article the attention and criticism of those who, from experience can judge of its correctness.—We shall very soon give a list of the names and character of the most approved grapes cultivated in Europe—such as yield us

" The Claret smooth,

"The mellow tasted Burgundy, and quick, "As the wit it gives, the gay Champaigne."

Edit. Am. Far.]

TREATMENT OF GRAPE VINES.

Previous to his leaving Winchester last Fall, Mr. Togno left with the editor of the Winchester Republican, the following directions for the treatment of the vines he had planted in the neighbourhood. Owing to inattention, their publication has been deferred longer than was expected; although not too long to answer the purpose intended.

The way to plant the vines.

Select good healthy shoots of last year's growth in the month of January, and put them by in a dry cellar. Let the cuttings be of six eyes, and cut from a fruitful vine as close to the growth of the year before last as possible. In a fine day of February or March, make holes two teet by two and a half deep; lay the cuttings in them and fill them up with fine garden mould. Do not put manure in them, as it will cause them to rot; hoe them well through the season, and keep them free from weeds.

Figure 1, represents a young vine in the fall of the first year after planting, the whole of the cutting having been covered, with the exception of one bud at O, which has put forth the shoot OM. The way to prune the vine the first year is to cut off AQ at A, and to lop off the shoot

at B.

Figure 2, (first year). If the cutting should be too long, and by some accident or other there should be more shoots than one, (as in fig 2.) then prune the whole of AD at the point A, and afterwards lop off the top of the shoot MM at B.

N. B. Where there are more shoots than one, you will select the healthiest and do as above. Never leave more than one shoot, nor to the shoot more than one or two buds in the first year, nor more than two or three in the second year. Never let shoots grow on the body of the vine or from the root. The time of pruning the vines in Virginia should be a fine day in February or March, but no later. You must be very careful to use always a sharp knite, and to hold the stock firm in the left hand, below where you wast to cut, and to pull your knife upwards. The hist and second years cover the vine stock with straw during the winter,

The vine we have pruned in fig. I or 2, will, in the fall of the second year, be much such a vine as figure 3. In pruning it, you will lop off CL at Q, and CN at D, so that CD will be the last year's growth, on which will be three buds, which will shoot three branches, as in figure 4, and this will be the view of the same vine in the fall of the third year. Then prune SR at 8, and lop off the two other branches at M and B, leaving three buds of the last year's growth on each of the branches. The next fall you will have excellent grapes, sweet and well flavoured, which will ripen more regularly and a great deal faster than if not treated in this manner. The vine will never be killed by the cold of the winter, and the young shoot in the spring is less apt to be injured by the frost.

TO THE EDITOR OF THE AMERICAN FARMER.

ON GUINEA GRASS, SEA KALE, AND AN IMPROVED PLOUGH.

Near Selina, (Ala.) 28th June, 1824.

DEAR SIR-Of the several parcels of Guinea Grass seeds which you gave me last winter I plant ed some of that which had been received from Ja maica, and divided the others among my friends. Not a single seed of that which I planted vege tated, and I have only heard that one of those with whom I divided, has succeeded in obtaining plants. I planted at the same time, some of the seed which was raised the last year, in South Carolina, with which I was equally unfortunate. With the Sea Kale I have succeeded better, as many of the seed, though planted in March, came up. The plants are growing vigorously, and pre sent a very rich appearance. I am much pleased with the hope that it will prove a most valuable acquisition to our early Spring vegetables.

The plough which I promised to give you a description of, is called the Jumping Shovel, for the quality it possesses of jumping over any root or other obstruction with which it meets, some distance below the surface, and immediately passing on without breaking the continuity of its iurrow, and without hanging, to the great annoyance of the ploughman, and injury to the team. It also saves much time which is consumed in It also saves much time which is consumed in new land, in extricating other ploughs from innumerable objects of resistance under the surface of the ground. The construction of this face of the ground. The construction of this the point of incidence of the fluid. plough is extremely simple, and I really think it, from experience, the best plough that has ever yet been used for the preparation of new land, for the cultivation of any crop.—It is simply a shovel plough, with a coulter before it, without a projecting point, as is usual with coulters. The coulter should not touch the point of the shovel, but should be from half an inch to an inch before it, and the point of the coulter should go about half an inch below the point of the shovel. The coulter should incline but very little forward when the plough is in motion, but should be nearly perpendicular. I think a coulter of a lanect shape, below the beam, runs the best, but my ploughmen prefer one shaped thus:

To prevent the coulter from splitting the beam, with further facts. an iron ring, fitting it one way, and so long the other way, as to allow the upper end of the coulter, with a wedge before it, to fasten it, to pass pointed conductor has not even the power of atthe beam by the resistance, is thrown down, the coulter slips over immediately, the plough passes on without loss of time, without any jerking to the ploughman or team, and without breaking the furrow. I have used it now for three years, and think the labour of subjecting the wilderness to the dominion of (that great civiliser,) the wilderness to the dominion of (that great civiliser,) the wilderness to the dominion of the properties of the furrow. The prantimans, granting them and duction of the straws of Legnorn. Some twenty-two or twenty-three years since, a young lady either of Franklin or Wrentham in that points have no influence at all, unless they pose of experiment, to undertake the fabrication of a bonnet from straw. Her experiment succeeded, and in consequence of her success some that the fabrication of the formula typical in the points are concluded by this strong remark, the fabrication of the formula typical in the points are their pointed conductors of a young lady either of Franklin and duction of the straws of Legnorn.

Some twenty-two or twenty-two or twenty-three years since, a young lady either of Franklin or Wrentham in the points have no influence at all, unless they are not necessary at all the points are necessary at all the points are necessary at all the points are necessary at plough, much diminished.

I pretend neither to the invention nor improvement of this plough, as it is used partially in fear or animate hope." South Carolina, but much used in some parts of this state. Who is entitled to the improvement I know not, but am sure he deserves the thanks of the farmer and planter more than many or those who obtain patent rights for invention which I presume their vanity may induce them t believe will be useful to others and creditable a

themselves.

Having never seen a hint of this plough in t.

vain in the Patent Office, I have endeavoured to stances under which they happened, would tend give you a description of it which I hope can be to inform the judgment upon this important subthis plough, but its excellence in new land, will readers, as well as to be very obvious upon experiment.

Your obedient servant, ANDREW PICKENS.



TO THE EDITOR OF THE AMERICAN FARMER.

QUERIES ON THE DAMAGE DONE BY LIGHTNING, AND THE MEANS OF AVERTING IT.

Cambridge, (Md.) August 13, 1824. DEAR SIR-The very unusually numerous aecidents from lightning this summer, materially invite attention to the means of protection,-If through the extensive medium of the "American Farmer" gentlemen possessed of facts in point, will be so obliging as to communicate them, the favour will be highly esteemed, and a most interesting branch of science possibly promoted.

ciously erected, has failed to avert the electric portion to its cost, will be imposed. fluid ?-If so, how far distant from the rod was

received the fluid, and being surcharged, or from any other cause, has diffused it, or a portic manufacturer to compete on equal terms with tion of it through the house or other neighbour the foreign manufacturer in the domestic market. ing objects?

house

Professor Patterson of the University of Pennsylvania, has thrown such doubts upon this subject (the efficacy of lightning rods) by the sanc- estimated for the purpose of ascertaining the tion of his name to the sentiments of George duty, was about \$610,000. Adams, whose work on Natural Philosophy, he During the last year the revised and published, (leaving this important subject as he found it) that it becomes an object of

through the mortice and through the ring, leaving the lightning a few feet out of the direction it would choose itself;" ibid: "an objection less costly, and paying more freight.

and below the beam behind the coulter. Thus to the use of conductors of either kind, (i. e. But my object Mr. Chairman, is to protect, to constructed, whenever the point of the coniter point of accident which happened at Heekingham," &c. manufacture, which has been ruined by the intro-the beam by the resistance, is thrown down, the ibid. p. 328, "The Franklinians, granting them all duction of the straws of Leghorn.

understood .- Much might be said in favour of ject, and be highly interesting to most of your

Your's, &c.

JOS. E. MUSE.

On the Manufacture of Straw and Grass Bonnets.-No. 6.

At the request of the writer, Mr. Baylies has furnished him with a sketch of his remarks, in the House of Representatives, in favour of the increase of duty proposed on Leghorn hats. They are highly interesting, quite to the point, and furnish materials for melancholy reflection, upon the indifference exhibited by our Representatives, to the source of wealth which the manufacture to which they refer, opens to the United States.

A Friend to Agriculture, Commerce and Manufactures.

Remarks of Mr. BAYLIES of Massachusetta. on his motion to amend the Tariff, by striking out the minimum duty of one dollar on Leghorn Flats and Hats, and inserting three dol-

I am aware that by altering the minimum price on which the cost of this article is to be estimat-Has any case occurred when a conductor judi- ed, from one dollar to three, a high duty in pro-

It has been assumed as a principle in the course of the debate on this bill (the Tariff) that a pro-Has any case occurred when the rod having tecting duty ought to be given in such manner, and to such an amount, as shall enable the domes-This principle will not apply to my motion. It is If such a ease, were the usual precaution of my design, I admit, to exclude these flats and glass bottle neeks, or other repellents placed in hats from our own market, and that exclusion is the staple rings, which connect the rod to the to be wished, by all who are friends to domestic economy, as well as domestie industry.

During the year ending September 1822, the amount of the cest of Leghorn hats and flats, as

During the last year the Treasury estimate is

3813,394.

If the importation of the fabrics of Leghorn deep interest to the community to be acquainted was prohibited, trade would not be injured. We do not exchange our commodities for Leghorn bonnets and hats, but the proceeds of half the American trade in the Mediterranean, are invested in these straws, which otherwise would

"Hence it is evident that the effect of conductors of the females who lived in her vicinity, were alin general is too inconsiderable either to lessen so induced to try the experiment, and they also ar or animate hope."

So dissonant are these sentiments from the soon became general. All bonnets and hats for common impression, as well as from the feelings domestic use, were fabricated at home. These and interests of the human family, that the attention of the farmer or the philosopher cannot traders, into the cities and seaports, and met with be invited to a subject more worthy of enquiry, a favourable reception. In the year 1806, I met whether viewed in regard to personal safety, or a New-York trader on a journey, who informed the security of property; and the communicame, that he had purchased straw bonnets at tion which is earnestly solicited to be made, through the wide range of your paper, of known lars. I well recollect my astonishment at this in-American Farmer, and having looked for it in facts of electrical phenomena, with the circum- formation, for so ignorant was I at the time, of

that bonnets to that amount were manufactured in will enrich it. all the states. The English Dunstables were ex cluded from the American market, by the American straws which surpassed them in elegance, durability and cheapness. Fashion soon gave them currency, and they met with a rapid and profitable sale in the markets of Boston, New-York, Philadelphia, Baltimore, Norfolk, Charleston and Savannah.

manufacture was in its most flourishing state, I was told on good authority, that the annual leading from the nose. Indeed, every cavity of amount of the sales of straw bonnets manufactor, the head, having any direct communication with tured in ten adjoining Towns, (townships) in the nead, having any direct communication with the nostrils, contained more or less of them. I Massachusetts, was \$500,000. The whole amount have some of them in my possession, preserved has been stated by the chairman of the committee on manufactures to have been \$800,000; and a long, and in shape hear considerable resemblance circular from some gentlemen of respectability who are well acquainted with the subject, states the amount to have been in some years \$1,500,000.

young unmarried females, of that class whose they gradually approach to a dirty black colour, labour is not generally productive. The work In order to guard against these destructive verwas done in families under the paternal roof, min it appeared necessary to ascertain, if possiand by the domestic fireside, and never was ble, the exact time they are deposited in the head. labour sweetened with such rewards. I have For this purpose I obtained the aid of a respecknown and I have heard of many farmers, table physician, and at regular periods procured who were relieved from embarrassments and the heads of sheep from a butcher for dissection. mortgages, by the labour of their daughters, and Until the 17th inst. we found the heads entirely those daughters when married, would carry to free from any appearance of the worm. Those their husbands marriage portions, frequently of a discovered on that day, bore every mark of having been very recently deposited. They were which is an establishment for any young tarmer barely perceptible to the naked eye; and allowed the husbands marriage portions, frequently of a discovered on that day, bore every mark of having been very recently deposited. They were which is an establishment for any young tarmer barely perceptible to the naked eye; and allowed the husbands marriage portions, frequently of a discovered on that day, bore every mark of having been very recently deposited. They were the husbands marriage portions, frequently of a discovered on that day, bore every mark of having the husbands marriage portions, frequently of a discovered on that day, bore every mark of having the husbands marriage portions, frequently of a discovered on that day, bore every mark of having the husbands marriage portions, frequently of a discovered on that day, bore every mark of having the husbands marriage portions, frequently of a discovered on that day, bore every mark of having the husbands marriage portions, frequently of a discovered on that day, bore every mark of having the husbands marriage portions, frequently of a discovered on that day, bore every mark of having the husbands marriage portions, frequently of a discovered on that day, bore every mark of having the husbands marriage portions, frequently of a discovered on that day, bore every mark of having the husbands marriage portions, frequently of a discovered on that day, bore every mark of having the husbands marriage portions, frequently of a discovered on that day, bore every mark of having the husbands marriage portions, frequently of a discovered on that day, bore every mark of having the husbands marriage portions, frequently of a discovered on that day, bore every mark of having the husbands marriage portions, frequently of a discovered on that day, bor which is an establishment for any young father barrely perceptime to the hard cyc, and a watson & further 7. rain, 92, 1. I haster, 86, in New England. The profitable exercise of this though quite lively, it was only by the aid of a lewe, 4g. T. Thaxter, and lamb, at 24\frac{1}{2}, 9, rain, employment extended its benefits, not fanciful, magnifying glass, that we could distinctly observe 57\frac{1}{2}, J. Barrett; 10, ewe, 41, A. Moore; 21, not speculative, but real, to all the neighbouring the characteristic marks of the old worm. They farmers. Their unproductive lands were devoted were slightly at ached to the membrane, covering 13, ram, 77, I. P. Dana; 14, ram, 74, Watson & The covering 13, ram, 77, I. P. Dana; 14, ram, 74, Watson & The covering 14, ram, 75, Watson & The covering 15, ram, 77, Watson & The c to the culture of rye. Eighty dollars have been the cartilage of the nose, about half way up the offered and refused, for the rye growing on a single acre. The face of the country was improved, and a vast addition was made to the value of the opinion is, that it is a long, slender, black fly, soil, by multiplying its capabilities. The component of the farmer were increased, his falling however, altogether conjecture. I observe that the membrane, covering 13, ram, 77, I. P. Dana; 14, ram, 73, L. Hurlbut; 15, ram, 73, B. Buck; 16, ram, 73, L. Hurlbut; 15, ram, 73, B. Buck; 16, ram, 73, L. Hurlbut; 15, ram, 75, B. Buck; 16, ram, 73, L. Withered; 19, ewe, 45, I. P. Dana; 18, ram, 47, twatson and the suck; 16, ram, 73, L. Stone; 17, ram, 75, B. Buck; 16, ram, 73, L. Stone; 17, ram, 75, B. Buck; 16, ram, 73, L. Stone; 17, ram, 75, B. Buck; 16, ram, 73, L. Stone; 17, ram, 75, B. Buck; 16, ram, 73, L. Stone; 17, ram, 75, B. Buck; 16, ram, 73, L. Stone; 17, ram, 75, B. Buck; 16, ram, 73, L. Stone; 17, ram, 75, B. Buck; 16, ram, 73, L. Stone; 17, ram, 75, B. Buck; 16, ram, 73, L. Stone; 17, ram, 75, B. Buck; 16, ram, 73, L. Stone; 17, ram, 75, B. Buck; 16, ram, 73, L. Stone; 17, ram, 75, B. Buck; 16, ram, 73, L. Stone; 17, ram, 75, B. Buck; 16, ram, 73, L. Stone; 17, ram, 75, B. Buck; 16, ram, 73, L. Stone; 17, ram, 75, B. Buck; 16, ram, 73, L. Stone; 18, ram, 77, II. Stone; 18, ram, 77, II. Stone; 19, ram, 77, II. Stone; 10, ram, 7

which subsisted thousands!

Sumptuary laws are not justifiable; could they

coarser, and least valuable fabrics of Leghorn; ture could be purchased for six, it becomes a proper subject for a high duty, and if they will with this high duty, continue to wear the foreign fabric, the revenue will be benefitted, and the nation will gain something, by taxing a folly which cannot be prevented. If on the other which cannot be prevented. If on the other hand, the importation is prevented, you will restore and revive a branch of manufacturing indus-but little buckwheat and no turnips. We have

WORMS IN THE HEAD OF SHEEP.

TO THE EDITOR OF THE AMERICAN FARMER. Washington, Aug. 27, 1824.

Dear Sir :- During the last winter and spring, some of my neighbours lost a number of valuable At the commencement of the late war, this Sheep by worms in the head. In some cases as many as thirty were found lodged in the passages have some of them in my possession, preserved in spirits. The largest are over half an inch to the common cut worm, often so destructive to our cabbage plants. They are encircled by ten rings. The small ones are white, except the These straws were woven and shaped by head, which is black. As they increase in size ed with the deepest interest. It is hoped, from 72, a lamb, 40, I P. Dana. and if our country women choose to pay \$50 or the spirit of enquiry that now prevails, that some \$60 for a Leghorn, when one of home manufactuseful facts may be elicited. Should this be the case, you may expect to hear from me again.

I am, Sir, very sincerely, yours, &c.
ALEXANDER REED.

the extent of this business, that I did not believe try which cannot injure the nation, and which the consolation, however, of having got up, in fine order, extraordinary crops of wheat, rye, oats and hav.

WOOL-SAXONY SHEEP.

[The Editor on a late visit to Saratoga Springs, was presented by General Sumner, one of the purchasers of the Saxony sheep, with a sam-ple of the wool, which may be seen by any far-mer or manufacturer. The object in copying into the Farmer the following article, is to shew that fine wooled sheep are coming again into the public esteem; and also to shew, for future use and reference, into whose hands these sheep have passed. In the names of several besides General Sumner and Mr Hurlbut, we recognise some of the most enlightened and publick spirited practical agriculturists. To We here repeat our request that subscribers in the seaports, and proprietors of manufactories would furnish us with the present prices of wool and with remarks upon the wool market, which appears to us to be very precarious and without stability or system] .- Edit. Am. Far.

FROM THE CONCORD (N. H.) REGISTER.

Report of the sale of Saxony Sheep, by Messrs.

oolidge, Poor & Head, at Roxbury, (Mass.)
on the 15th July, 1824.

forts of the farmer were increased, his falling however, altogether conjecture. I observe that the fences were reared, his decaying house was repaired; taste came in with her embellishments, and neatness and plenty literally united around the hut of poverty. Sad indeed is the reverse. Cold and cheerless want once more revisits the mansions of the poor.

The first increased, his falling however, altogether conjecture. I observe that was an and Huribut; 25, ewe, 61, H. Rice; 26, and 10 and Further in this country. What is calculated to strengthen this opinion. I have always made free use of tar amongst my sheep; and I do not strengthen this opinion. I have always made free use of tar amongst my sheep; and I do not see; 34, ram, 40, Cross; 35, ram, 26, J. Field; head. Many of the sheep owners in this country. The Caprice of fashion has introduced an article manufactured from the straw of Tuscany, which, to say the least, has deprived numerous American families of many of their comforts. The tulip-mania of Holland was not so ruinous to that nation, as the mania for wearing Legarative to that nation, as the mania for wearing Legarative to the conviction of the poor.

Know that I ever lost one by the worlds in the 30, ram, 35, Cross; 37, ram, 39, Gen. sunner,; 38, ewe, 50, I. P. Dana; 39, ram, 54, J. Barrect; 38, ewe, 50, I. P. Dana; 39, ram, 57, benns; 39, cross; 37, ram, 30, Gen. sunner,; 38, ewe, 50, I. P. Dana; 39, ram, 54, J. Barrect; 38, ewe, 50, I. P. Dana; 43, ram, 57, benns; 42, ewe, 57, I. P. Dana; 43, ram, 82, Watson & Hurlbut; 47, ram 57, I. P. Dana; 48, ewe, 49, ram, 61, L. Stone; as practicable. Every day's experience gives 50, ewe, 57, S. Lathrop, and lamb, 28, 51, ram, 35, Cross; 37, r to that nation, as the mania for wearing Leg- as practicable. Every day's experience gives 50, ewe, 57½, S. Lathrop, and lamb, 28¾; 51, ram, horns is to this. The vast amount which was strength to the conviction, that in a few years 66, Abbott; 52, ewe, 75, Watson & Hurlbut; 53 formerly paid to our own citizens, which gladdened the poor man's heart, which increased the side the mountain. At present prices, with us, at 38½; 55, ram, 77, Watson & Hurlburt; ewe, 673, productiveness of our soil, and relieved our citi. the labour necessary to produce twenty dollars I. P. Dana, and a lamb, at 381: 57 ram, 101, productiveness of our soil, and refleved our citi. The labour necessary to produce fifty dollars worth can be taken to an eastern tic bonnet:—a word has ruined a manufacture market for five per cent. The flour we now send ram, 101, J. Mason; 62, ram, 87½, S. Whitman; to your city, our nearest steady market, is half 63, ram, 67, S Lathrop; 64, ram, 147, J. Strong; sunk by carriage. When these facts are fairly 65, ram, 69, Watson & Hurlbut; 55, ram, 66, weighed, you will not think it strange, that in this H. Rice; 67, ram, 1172, A. A. Moore; 68, ram, Should the motion now before us prevail I section of country, every thing relating to that the last towards the exclusion of the invaluable animal, the fine wooled sheep, is view-ram, 65, Gen. Sumner; 71, ram, 75, I. P. Dana; 70, and before us prevail I section of country, every thing relating to that the last two la

The average price was \$69 35.

By the above account of sales of Saxony sheep, it appears now certain, that there are a respectable number of gentlemen who are inclined to encourage the importation, and growth at home, P. S. Until yesterday, we have not had rain of Saxony sheep and wool; this small experiment, sufficient to wet the ground half an inch deep, for as it may be called, of 70 Saxony sheep from the

general, and more uniform in fleece, than any flock of the Merino breed ever imported. Yet ed by the hands of Europeans, in the U. States. at the same time, it may be admitted, that many ewes might be selected from choice flocks, now in our country, whose fleeces would be as much esteemed, as half of those Saxony sheep, for qual ity and weight. Such should be taken to the Saxony bucks-say from 20 to 60 to one buck, brow, an ingenious and enterprizing mechanic of this fall, in November or December. A choice this city, being impressed with the belief, that by power alone. Add to this, the thousand steam-Spanish breed buck may now be bought at 5 a \$10; and it is a fact, that of the thousands imported in 1810, '11 and '12, there is scarcely one old Spaniard now remaining in our land; and we rations, have not deteriorated; and those which have been well taken care of, have produced from through various strata of red shell, slate, silex, twenty-four, to produce the same effect at this 4 to 9 lbs. wool when unwashed. Gentlemen who and granite, to the depth of about 160 feet, and single steam-engine, which thus performs the lahave had the best experience, known how very has brought up a stream of pure water, which bour of 4,580 persons. slow the number of real full-blooded ewes in-now discharges about 1,600 gallons in 24 hours, If we reflect for a n crease—and we may rest assured, that there is and keeps increasing as his augur descends deep-ishall be convinced the mechanical power which not one fiftieth part of the wool now raised in America, for the demand for our own consumptable about thirteen feet in depth, the water of which alone exceeds the effects which would be protion, which will compare in quality, or pile with the best Spanish or Saxony; and when the happy from this great depth is said to be soft as rain millions of active adults—certainly of more than day shall come, that our policy is truly American. and we determine to clothe the back as effectually as we do the head or feet, out agriculturists of immense value, as it will enable any one who may cover their green hills with the Merinnes of can afford the expense, to have a stream of water every grade, with wool worth from forty cents to issuing at his door, in his barn-yard or in his \$1 50 per pound.

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TO THE EDITOR OF THE AMERICAN FARMER.

Stafford County, July 10, 1824.

furnish you with any thing that would be useful to the agricultural part of your readers, I forward you the following which may not be unacceptable to the antiquarian part of them.

There is to be seen on a high cliff, near the head of the tide water of Potomac creek, a branch of Potnmac river, and about six miles from the latter, an old mutilated Tombstone, with an inscription on it, of which the following is a fac simile, taken some short time ago :-

HERE LIES INTERRED THE BODY OF EDMOND HELDER PRAECTIONER INPHYSICK AND CHYRURGE RY BORN IN BEDFORD SHIRE OBILT MARCH *11 1618—ÆTATISSUA 46

little art has been bestowed, taken from a freestone quarry about two or three hundred yards distant. The first time I saw it, (which was pillars of the same kind of stone; but the cultivator of the land on which it stood, not possessing quite as much antiquarian enthusiasm as Mr Oldbuck, took it down and removed it to the edge of the field, in doing which it was broken in two.

time of Captain John Smith's visits to Virginia, there can be very little doubt but this Dr. Helder was one of those adventurous spirits who accom- millions of human beings to produce on the old panied the heroic and gallant Smith into the inte-single wheel as much cotton thread as 280,000 rior of the State, and on this spot either perished by the tomahawk of the savage foe, or fell a victim to the climate, which proved so unfavourable to the first settlers; for it must be remembered that the father of Virginia, in his history, mentions his exploring this very creek. Be these to the first settlers; for it must be remembered that the father of Virginia, in his history, mentions his exploring this very creek. Be these these the father of one particular manufacture. The same improvements have been made in conjectures worth what they may, I think I can wool and flax spinning. Wonderful and continu-

tion, that this is one of the first tombstones, plac-ployed in hundreds of operations, in weaving.

I am, Sir, with respect, yours, &c.
A SUBSCRIBER.

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New Brunswick, (N. J.) Aug 2. Highly important discovery.—Levi Dish boring into the earth a sufficient depth, a stream of water might be caused to flow therefrom, any where in this region of country; some time since determined to try the experiment, He commenwas quite hard, but the water he had brought up water, and several degrees colder than any of our the working population of the world. ordinary springs or wells. This is a discovery can afford the expense, to have a stream of water fields, of the finest and most delicious flavour; and will, it is believed, in a great measure, supercede the sinking of wells, and the use of pumps; nor is it improbable, that in some situations a sufficient supply may be obtained by hydraulic power. He intends boring until he causes a suffi-Dear Sir: -As I am unable, at this time, to height to supply Mr. Bostwick's distillery, withcient quantity of water to ascend to the requisite out the use of pumps; and from what he has already accomplished, we have no doubt of his realizing his expectation. We congratulate the public on a discovery of such importance, and hope some spirited individuals will enable him, as soon as he shall have finished the job in hand, to prosecute the investigation, while they may add essentially to their own comfort and convenience.

Manufactures of Great Britain .- It was estimost experienced cotton spinners in Great Bri-120 to 1; that is, one person produced as much as much better afterwards. 220 could have produced previously to these inventions. There are now about 280,000 persons about ten years ago,) it was standing on four rough engaged in the spinning of cotton thread in this country-280,000 multiplied by 120, gives 33,600, 000 as the number of operatives who would have on the old plan, as is spun in Great Britain at present. Political economists generally reckon By comparing the date on this stone with the one in five a producer, but say one in three; then it follows, that it would require the working part of a population of more than one hundred workers are enabled to manufacture, in consequence of the mechanism by which they are as-

taken of them; they are unquestionably finer in venture to assert without much fear of contradic- ally increasing and improving machines are embleaching, dying, printing, dressing, &c. &c, every species of cloth for the garments of the world-in the various hardware manufacturesin letter press printing and engraving, and an endless catalogue of other operations, which were formerly performed at an immense expenditure of time and labour, by unassisted manual engines that are now working for us, over all the kingdom, some of them of considerable powers; there is one steam-engine at present in Cornwall, working day and night, and of 260 horse power; may safely affirm, that their descendants, kept ced the operation of boring at the distillery of now each horse power, is estimated as equal to pure and distinct, even to the 12th and 13th gene- J. H. Bostwick, Esq. about a mile northwest of six men; and it would require three sets of men,

If we reflect for a moment on these facts, we duced by the manual labour of several hundred

Canal Commerce. To open facilities for trade without having enterprize to profit by them, is useless. We have already noticed the floating museum and caravan of animels on the canal. We have now to notice a book and stationary store afloat, and a substantial boat fitted up as a grocery store, with choice liquors and select articles of every description, having a counter, desk, scales, &c. This way farm house, hotel, and tavern on the road, are supplied with good and cheap articles between Albany and Rochester. We shall soon have fancy goods, and every saleable article on the canal. - Advocate.

0000 To prevent Snow-water from penetrating Boots or Shoes.

Take equal quantities of Bees wax and mutton suet, and melt them together in an earthen pipkin, over a slow fire.—Lay the mixture while hot on the boots and shoes, which ought to be mated about 6 or 7 years ago, by three of the made warm also; let them stand before the fire a short time for it to soak in and then put them tain, that the quantity of cotton thread produced away until they are quite cold. When they are on an average by each worker, compared with so, rub them dry with a piece of flannel, in order that which one person could have spun on the that you may not grease your blacking brushes, single wheel, as was the practice before the late If you black them well before you put the mix-This Tombstone is a rough slab, on which very inventions of Arkwright and others, was then as ture on, you will find them take the blacking

> Volcanoes .- In an account taken from the French papers, 'of the volcanoes, at present in existence,' it is stated that, with the exception of been required to produce as much cotton thread two in the central part of Asia, not one is more than fifty leagues from the sea; whence it is inferred that water acts an important part in volcanic eruptions. The following general summary is worth quoting:

7./	umber of Active	a Walaamaaa	
J V	On the Continent		Total.
	On the Continent,	TH THE TRIBITATE	TOTSP.
Europe,	1	11	12
Africa,	0	6	6
America,	5 8	3	61
Asia,	8	24	32
Oceania,	0	52	5 2
	_	-	-
	67	96	163

TO THE EDITOR OF THE AMERICAN FARMER.

MILLET-ON NEW LAND.

Palmyra, August 8, 1824.

DEAR SIR:-I have seen several accounts of crops of millet in your paper, which appear to be smaller than one I raised last year. Four quarts were sown on what was intended to be an acre. but by measurement since it appears to be 190 rods. The produce, when threshed was measured and turned out fifty bushels. The land was part of a piece I cleared for wheat. The wood had been partly cut off for firewood, and the burn was in consequence not so good as on the rest of the piece; large spots were lelt on it unburnt, so that we thought it would not answer well for wheat. If you are acquainted with clearing land you will know, that the crop is considered to depend, in a great measure, upon the goodness of the burn. The drought last summer was the ed for some weeks before we would undertake to greatest ever recollected in this State. The land announce the calamity that is impending over the on which the millet was sown is a loam, in a slight agricultural interest of the Eastern Shore—The degree more moist than the remainder. The destruction occasioned by the drought is univerwheat adjoining was the best on the piece; we sail, and we lament to say that accounts from all supposed it to be a little more than twenty bushels to an acre. The millet was sown the 7th of gone to be benefitted by rain, and that the quanti-June, and reaped the 9th of September: two men ty of Corn made on the Eastern Shore will not thrashed it in a day and a half: all sorts of stock be more than two-fifths of what it was the last appear to be very fond of it. Four quarts of seed year. The destruction is unexampled and almost to an acre, is the usual allowance here; which beyond calculation .- Easton Gaz. seems to be much less than your correspondents at the south use. My men judged that the straw made a ton and a half of fodder, and the cattle ified to judge, who took a ride last week through eat it as readily as good hay.

particular, to begin on wild land. The business the tobacco crops must inevitably be very short. to continue moving from farm to farm. The mais much the most simple, requires no knowledge of the minutiæ that must be attended to on old darms; there is much less danger of failure of at Baltimore about the 25th of the present month. crops; and it is, I believe, the most profitable. Yours, &c. H. WARREN.

Editorial Correspondence.

Extract of a letter dated Eatonton, 14th August,

"StR :- Crops in this State are very generally unpromising; there were fine crops of wheat made 34-do. yellow, 35-Do. Rye, brl. \$2 a \$2 75the present year, and good wheat may now be bought at one dollar per bushel. It is now raining, which seems to be general; but before this time we have not had a general rain since the evening of the 3d of June last, although there has been frequent showers, in some settlements there has been nearly a sufficiency; in others there has been nearly a sufficiency; in others there has been one or two good rains since the 3d of June; seed Oil 65 cents—Clover Seed out of season—Linberg one or two good rains since the 3d of June; seed Oil 65 cents—Clover Seed out of season—Linberg one or two good rains since the 3d of June; seed Oil 65 cents—Clover Seed out of season—Linberg one or two good rains since the 3d of June; seed Oil 65 cents—Clover Seed out of season—Linberg one or two good rains since the 3d of June; seed Oil 65 cents—Clover Seed out of season—Linberg or two good rains since the 3d of June; seed Oil 65 cents—Clover Seed out of season—Linberg or two good rains since the 3d of June; seed Oil 65 cents—Clover Seed out of season—Linberg or two good rains since the 3d of June; seed Oil 65 cents—Clover Seed out of season—Linberg or two good rains since the 3d of June; seed Oil 65 cents—Clover Seed out of season—Linberg or two good rains since the 3d of June; seed Oil 65 cents—Clover Seed out of season—Linberg or two good rains since the 3d of June; seed Oil 65 cents—Clover Seed out of season—Linberg or two good rains since the 3d of June; seed Oil 65 cents—Clover Seed out of season—Linberg or two good rains since the 3d of June; seed Oil 65 cents—Clover Seed out of season—Linberg or two good rains since the 3d of June; seed Oil 65 cents—Clover Seed out of season—Linberg or two good rains since the 3d of June; seed Oil 65 cents—Clover Seed out of season—Linberg or two good rains since the 3d of June; seed Oil 65 cents—Clover Seed out of season—Linberg or two good rains since the 3d of June; seed Oil 65 cents—Clover Seed out of season—Linberg or two good rains since the 3d of June; seed Oil 65 cents—Clover Seed out been one or two good rains since the 3d of June; lating from my observations and information, I will afford much relief; and, I presume, with the free from tags. corn of the last year's crop now on hand, and the of corn for ordinary consumption until the next red, 12 to 18 do.—good do 6 to 10 do.—common crop. The prospect of the cotton crop is unproduct, 2 to 4 plenty, no demand. mising; I am not prepared to calculate very nicely the influence which the rain now falling may have on the growing crop. The consequence of the partial showers of rain has had, in some degree, the same influence on the cotton as on the corn crops. I think the calculation is a fair one to estimate, that the number of pounds that may be made on each acre cultivated in this State, 12 1-2d per lb.

will not bear a greater proportion than five does to eight, when compared with an average crop of cotton made last year on each acre cultivated although the quantity of land cultivated in cotton this year having been increased since the last .presume the calculation would be reasonable to estimate, from present prospects, that the quantity made in this State the last year was 20 to all of a superior quality. 30,000 bales more than will be made this year."

Yours, respectfully, &c.
IRBY HUDSON,

Treasurer Putnam Agricultural Society.

THE FARMER.

BALTIMORE, FRIDAY, SEPTEMBER 3, 1824.

TOBACCO CROP. - A gentleman well quala good portion of the tobacco district of this State,

F Gen. LA FAYETTE is expected to arrive

PRICES OF COUNTRY PRODUCE - carefully collected every Thursday, for the American Farmer. By ROGERS & STMINGTON.

Flour, Howard St., S5 37, wagon price-Do. Susquehannah, \$5, eargo price—Do. Wharf \$5 Wheat, white, 87 ets—Do. Red, 83—Corn, white, seed Oil, 65 cents.-Clover Seed, out of season the consequence of such partial showers is, that in some settlements nearly common good crops thy, Do. out of season—Hay, per ton, \$10—Flax, will be made, in other settlements not more than half crops, and in others not more than Columbia (Columbia) and in others not more than half crops, and in others not more than the following the following the bushel, exclusive of barrels. It will be shipped than half crops, and in others not more than a third of the usual crops will be made. Calculating from my observations and information, I—Leather, Best Sole, 24 to 27 cts.—Feathers, Philadelphia, Baltimore, and Alexandria, agreeapresume there will not be more than half the 35 cts.—New Wool, 30 to 35 cts.—Merino full ble to orders, as soon as the purchase money is usual crop of corn made the present year in this blooded 35 to 40 cts.—\(\frac{3}{3}\) do. 30 to 35 cts.—\(\frac{1}{2}\) do. State; there is, however, a considerable quantity 25 to 28 cts.—Common, 20 to 25 cts.—25 per of the last year's crop of corn now on hand, which cent. more when well washed on the sheep and

MARYLAND TOBACCO .- Fine, yellow, none in crop of this year, that there will be a sufficiency market, wanted-good do. 20 to 30, scarce-fine

Ennor connected.—In the 22d Number, under the head

Robert Sinclair,

ELLICOTT-STREET, PRATT-STREET-WHARF, HEAD OF THE BASIN.

Offers for sale, red and saplin CLOVER SEED, TIMOTHY and ORCHARD GRASS SEED, of this year's growth, and HERDS GRASS SEED,

And, an extensive assortment of GARDEN SEEDS, most of which were imported last spring, or raised at his farm. The imported seeds have been proved to be true and vegetate well.

Also, BIRD SEEDS, such as Canary, Rape,

and Hemp Seed.

In store, as usual,

A general assortment of IMPLEMENTS OF HUSBANDRY of the most approved patterns, workmanship and materials; among which are a number of the much approved CORN SHELL-ERS, all of which he offers at reduced prices.

For Sale,

A fine BULL CALF, half Devon, one-fourth Holderness, one-fourth short horn Durham breed. The dam of this calf was got by Bergami out of an imported Holderness of the long horn breed.

Also, a three fourth Devon, one-fourth Holderness BULL CALF, and several one-half blooded Devon BULL CALVES, out of fine country cows. Enquire of the Editor.

Portable Threshing Machine.

We understand that J. W. CRAGG has made a Portable Threshing Machine, which has been in I would recommend to beginners at farming in informs us that from the effects of the drought operation for some weeks, and which he intends chine is one of four horse power, but capable of being worked by six horses; said to work remarkably easy, and is readily moved from one farm to another by four horses, harnessed as for drawing two carts. He is at present threshing for four cents per bushel. The machine to purchasers, we are informed, would cost \$500.

Copy of General Smith's certificate:-

Baltimore County, Aug. 30.

I employed Mr. J. W. Cragg to thresh out my grain with his machine; and, at his request, now state, that it got out 139 bushels of oats in one hour and forty-five minutes. The threshing was

J. SPEAR SMITH.

AF Mr. Buel,

Of Albany, avails himself of the medium of the American Farmer, to reply to several gentle-men in Virginia, Maryland, and Delaware, who have sent orders to him for "white flint," seed wheat. A quantity of seed is expected from Cayureceived, or deposited in the hands of J. S. Skinner, Esq. Editor of the American Farmer.

CONTENTS OF THIS AUMBER.

Observations of a Correspondent, on a visit to Saratoga, No. IV .- East Florida, a condensed view of its climat Cultivation of the Vine—Treatment of Grape Vines—On Guinea Grass, Sea Kale, and an improved Plough—Queries on the damage done by Lightning, and the means of averting it—On the Manufacture of Straw and Grass Bonnets, No. 6 An inscription on an ancient tombstone in Stafford County, Virginia-Highly important discovery-Manufactures of Great Britain--Canal Commerce---To prevent Snow-water from penetrating Boots or Shoes---Volcames---Worms in the head of Sheep---Wool, Saxony Sheep---Editorial Correspon-dence---Millet, on new land---Editor's remarks---Prices Current ... Advertisements, &c.

TO THE PRESIDENT OF THE PENNSYLVANIA AGRICULTURAL SOCIETY.

Powelton, Philadelphia County.

Dear Sir: - I have the honour to present, various selections from European works, to establish certain positions, which have been assumed, in some of my late communications. In corroboration of the facts, which have been alleged, I produce for publication, part of a letter, which I have just received, from Major Rudd, a gentleman, of high standing in Yorkshire, distinguished alike, by his his indulgence, or repose—and whose patient off zeal, and success as an improver, of Neat Cattle,

and Sheep.

I am aware, it has been hinted, that too much discussion, had arisen, on the properties, of Farm Stock; but I may object, that no subject, is more interesting, and none more important, to the husbandmen, and landholders, of the eastern, middle, and western States, than that which, indirectly involves, the application of three-fourths of the product of their labours, and of their lands. apprehend, that not more, than one-third, of their cultivated soil, is annually subjected to the plough, that of its produce, except, small quantities of hemp, and flax, the farinaceous parts, of wheat, and Col. Mellish paid, 450 guineas, for the servibuckwheat, and a portion of eye, and indian corn, ces of Charles, during 2 years. A regular record for whiskey, and bread, nearly the whole, is emiss kept, in the Herd Book, of the pedigrees, of ployed, for the nourishment, of Neat Cattle, Horses, Sheep, and Swine * Thus without regarding, the immense forests, whence we derive, our prinof our wool,—i think it is evident, that to our po-tinues to be as high, as it was ten years since. pulation, at least, it is worth some effort to ascerthe superiority of one race of Neat Cattle, over every other, either original or improved.

If it shall appear, that, by the multiplication of this race, "the produce of beef, upon a given extent, of land, would be nearly doubled"—the quantity of butter increased—the facility, of procuring powerful oxen for draught, not lessened-and withal, that the amount of offal, w uld be diminished—the weight of flesh, and of fat, would be ing, the various, and important duties of his high carried upon the proper parts, I trust it will not public station, manifests, in his Agricultural purbe contended, that the discussion is futile, or the

race, more generally into view.

* In the best districts, there will generally be not less than one half of the land employed in "consider the introduction of the Short Horns, in raising roots and green crops for live stock, and "the blood of Denton, as the richest acquisition, not more than two thirds of the inferior soils are "to the country which Agriculture has received. always under these crops and in fasturage. Pro- "For the Dairy and the Stall I speak with the bably not more than two fifths of even the arable" utmost confidence of their pre-eminence. From land, or ten acres in a hundred of the whole sur- "my three years old heifers I have calves of the face, produce crops immediately applicable to "most promising appearance, and greatly excell-the food of man. The remaining ninety acres, "ing any I have before seen. One of the heifers after a small deduction for fresh-water lakes," gives from 16 to 20 quarts of the richest milk circumstances of Scotland-vol. 3, page 1.)

The Editor of the American Furmer is requested to inform his ingenious and ardent correspondent "A Subscriber" that in New England, and Pennsylvania, when the measurement of mill is given, it is not from a wine quart, half filled with froth, and that when an animal is produced, (whether Devon, or Short Horn) as of a definite race, some evidence is required, to show, that it is the propensity to become fat. not an accidental variety, of mongrel origin, stamped with a fashionable name, suited to the purposes agricultural interest, both in Parliament, and his of the vender, or adapted, to the fancy of the county, is generally known, evinces great anxiety Vol. 6.-25.

mal, whose milk, affords butter, cheese, and various combinations for his table-whose hide, gives leather for machinery, harness, and his shoeswhose hair, supports the plaister upon his wallswhose horn, and bone, are converted into, medicines, and articles constantly in his use-whose tallow, and fat, are consumed in candles, and soap, necessary to his comfort, and health-whose heels, afford oil, valuable, in many of his pursuitswhose stomach even, constitutes an agrecable repast-whose tail, is converted into, a couch for spring, after having enabled him, to reap the harvest from his fields, yields the most wholesome, and nutritious food for his frame, and finally by his offal enriches the soil.

It appears by Baily's survey of Durham, that at Colling's sale, in 1810, seventeen cows, were sold for 2,802 pounds 9 shillings sterling-eleven bulls for 2,361 pounds—twenty-eight animals, thus produced \$22,948 67. That Major Rudd paid, 400 guineas for Lady of 9 years—for Lily 400 guineas-for Peeress 170 guineas-for Petrarch 375 "that the Short Horned, are quite as quick guineas; that Messrs. Wetherill & Co. paid for "the former, and as powerful, us the latter." Comet of 6 years, 1000 guineas. Mr. Champion, the animals of pure blood. Although one hundred and forty breeders-130 bulls and nearly 3000 heifers and cows, are enumerated in this volume, Mr. Champion, have every claim to excellence, cipal supplies, of beef and mutton, and I should it will be seen, by Major Rudd's letter, and by the which high pedigree can establish. Comet, hope, ere long, we shall receive the greater part prices, which I have paid, that their cost, con-

If it were regulated, by the caprice of men of tain, whether experience, has established, in the fortune, it might be alleged, that fashion gave to two years, for 450 guineas, was the great grandcountry, where they are best known, and by the them, a fictitious value, but as the practical farstandard, which every man, can best comprehend, mers of England, sanction it by their purchasers, and support it by their demand, it must be infered, that after a trial of fourteen years, the animals possess, the merit, which has been elaimed. To show the interest, which they have excited, not only the England, but in this country, I could mention the names of the most distinct the pedigree, be traced on both sides, the animal mention the names of the most distinct the pedigree, be traced on both sides, the animal mention the names of the most distinct the pedigree, be traced on both sides, the animal mention, the names of some of the most distin- cannot be admitted, as one of pure blood. Some guished gentlemen, of Massachusetts, one particularly, of Worcester county, who not with standbe contended, that the discussion is futile, or the suits, the most extensive, scientific acquirements, premium absurd, which shall have brought this and in their results, New-England, matter of fact skill.

He observes-"Next to the Merino Sheep I in no degree inferior in quality. The last season she gave eleven quarts at a milking with grass only. A heifer of three years with her second calf has not been dry since she dropped "her first, having given four quarts on the morn-"ing of her second calving."

I have in my importations, and purchases, sought the stock, of those breeders, who have regarded the milking properties, not less than

Mr. Curwen, who, as the able promoter of the for the dissemination, of this breed. In his ex cellent report, to the Workington Agricultural cis, William Neal, Thomas Pringle, William hurchaser, who may happen to meet it on the for the dissemination, of this breed. In his ex

No man will deny, the importance, of the ani-¡Society, after reciting, the origin, of the different families, of Short Horns, upon his estates, mentions, these, which "IN UNITING THE TWO ESSENTIAL QUALITIES OF MILKING AND FAT-TENING are highly valuable;" and adds' "two "heiters and, a bull, were this Spring, forwarded "to Thomas Law, Esquire, at Washington; from " friendship and connexion-as well as the desire, "to support, the credit of my farming the very best "specimens, were selected. The steers, which "have been bred, and slaughtered, have been "equal, in quality of beef to any thing I could have expected or desired. At two and a half "years old they weighed from 80 to 85 stones of "14 pounds each, equal to 1120 or 1190 pounds," although reared in the usual mode, upon turnips, chaff, and straw. In mentioning the draught oxen on his farms, Mr. Curwen observes, "those 'which are now at the Schoose, were produced "there, and are of the Short Horn breed. Wil-"liam Eve, who has long been with me, and is "accustomed, to the working of both Devon-"shire, and Herefordshire cattle, is of opinion, "that the Short Horned, are quite as quick as

I have for some time, bred from the bull, and an heifer, begotten in England by General, Mr. Curwen's best male, upon one of the heifers,

sent to Mr. Law.

These animals, as well as my importations, from Mr. Wetherill, and some of those bred by Peeress, and Lady, sold to Major Rudd, and Mr. Wetherill, were the grandsire and grandams, of some; Charles, which had been hired, during sire of another. Mr. Wetherill states, that the animals, which he had sent to Mr. Williams, and of the cows, which have been brought, on speculation from England, are not worth, half their cost. A flourishing account is given, of Comet, or some celebrated bull, named as the grandsire; the sire if from a native cow, would, nevertheless, be not more in technical language, than an half bred, his offspring by a native cow would be a quarter hred calf, whose progeny, by a native cow, would possess, but one eighth, of Improved short horn blood.

I am, Sir, Your obedient servant, JOHN HARE POWEL.

NEW-YORK HORTICULTURAL SOCIETY.

Pursuant to public notice, the anniversary ceare appropriated to the breeding, rearing, and fattening of live stock." (Sinclair's General from the circumstance of having been in milk at Syke's Commercial Coffee House, The fol-Report of the agricultural state and Political continually for more than a year, but her milk is lowing gentlemen were elected officers for the ensuing year.

DAVID HOSACK, L. L. D. President. W. P. VAN NESS, JOHN R. MURRAY, JACOB LORILLARD,

Dr. Samuel L. Mitchill, Lecturer on Botany and Vegetable Physiology.

PETER HATTRICK, Treasurer.
N. H CARTER, Corresponding Secretary.

LEVI H. CLARK, Recording Secretary. Council.—Martin Hoffman, Michael Floy, William Phelan, William Curr, James Dick, Israel Dean, Col. George Gibbs, James Minal, S. J. ToGeneral Morton.

On announcing the result of the election, and days. in introducing the President elect to the chair, Martin Hoffman, Esq. the late President, addressed the new incumbent as follows:

Sin-I have the pleasure to inform you, that you have been elected President of the New-ting the interests York Horticultural Society. The unanimity of of the association. its members on this occasion, in selecting you as their President, cannot be more grateful to your feelings, than it is to mine, in making this comfeelings, than it is to mine, in making this communication to you.

in the performance of your duties, its prosperity scated in a splendid arbour of flowers, festoons general good.

usefulness extended.

tions and anticipations of its founders.

To this address, the President elect made the deferred till our next.

follow reply:

SIR-I accept with grateful emotions, the chair among other sentiments were given: which you have so long and ably filled, and at the same time feel very sensibly the kind manner in which you have conveyed to me the choice honour it. that has been made, and the honour that has been conferred, in scleeting me as your successor. Society. An union of the horticultural and agri-Allow me, Sir, to say, and in doing so, to express cultural institutions of this city. the feelings entertained by every member of this association, that while they regret that your avo- Edinburgh. cations have induced you to tender your resignation, as their presiding officer, they will ever cherish the remembrance of your faithful and important services, and the urbanity with which Horticultural Society of London.

By Wm. Cincinnatus. By Col. I you have uniformly performed the duties of your office. Accept, Sir, from me, and from every member of the society, our best wishes for your happiness.

At 3 o'clock, the President delivered an inaugural address, before a numerous audience, consisting of the members of the society, and the distinguished guests who had been invited to participate in the festivities of the anniversary celebration. Too much cannot be said in commendation of this able, eloquent, and highly instructive discourse, which was long and elahorate, comprising a historical sketch of horticultural science, from the earliest ages to the present time, with concise notices of its eminent cultivators and patrons; a full exposition of the cils of their country great objects of the society, to which its future efforts should be directed; and the facilities which are afforded in this city for the cultivation of horticultural science, by means of a fer-tile soil and a widely extended intercourse with all parts of the world. At the close of the ad- Wine. dress, particular notice was taken of the splen-did system of internal improvements in this state, which has opened a pathway into the depths of the western wilderness, bordering upon the shores of the great lakes, where extensive and unexplored fields are yet in reserve for cedence in horticulture to political greatness. the labours of the naturalist-concluding with a the labours of the naturalist—concluding with a would begin where Dioclesian ended.

statesman, who has been the most prominent instatesman, who has been the most prominent instatesman, who has been the most prominent individual in constructing these stupendous public of Agriculture. The parent and child may be works, so propitious to a development of the proud of the day.

By G. W. Keatherstonhaugh, Cor. Sec. of the resources of our country.

Fairbairn, William Wilson, Thomas Hogg, Immediately after the address was pronounced, Board of Agriculture. Stephen Van Ronsselaer, James M'Brair, John M'Intire, Charles Oakley, a resolution was introduced by Mr. Lyon, that a the patron of our agriculture and horticulture. Andrew Clark, David S. Lyon, Philip Rhinelan-committee be appointed to request a copy for the By Dr. Pascalis, President of the N. Y. branch der, Clement C. Moore, Wilson, Franch and we have the settification to the Linnaan Society of Paris. Horticulture, cis Baretto, J. W. Schmidt, John Groshon, John and we have the satisfaction to state, that this as a promoter of moral and philanthropic pur-M'Nab, James Wilson, Dr. Wrightpost and discourse, of which but an imperfect outline has suits. been given above, will be published in a few

> active, arduous, and faithful services in promoting the interests and extending the usefulness provements.—If the inoculated branch bear the

I trust, Sir, that under your auspices, in conjunction with the gentlemen, who with equal of distinction from Europe, the West Indies, and unanimity, this society have selected to aid you other parts of the country. The President was general good. style. Among the guests were several strangers will be promoted, its patronage increased, and its and bouquets of which adorned the hall and tables. A blessing was craved, and thanks returned, Accept, Sir, in the spirit with which it is of in a most appropriate, eloquent, and impressive fered, my relinquishment of this chair, and al manner, by the Rev. Mr. Shroeder of Trinity low me to express the gratification I feel, in be-ing succeeded by a member of our society, composed for the occasion by S. F. Wilson, Esq., ing succeeded by a member of our society, composed for the occasion by S. F. Wilson, Esq., whose zeal for its interest, whose talents and replete with splendid imagery and the true spirit acquirements promise to realize the expecta of poetry, was recited by the author with great applause. As the ode is long, its publication is

After the cloth was removed, the following

By the President. The anniversary of the New-York Horticultural Society-and all who

By Martin Hoffman, Esq. late President of the

The Horticultural Societies of London and

The memory of Sir Joseph Banks-the enlight-

Dr. Andrew Duncan. The founder of the Ca-

the Linnxan Society of London, and the zealous assiduously cultivated. patron of horticulture and its associate sciences.

Secretary of the Horticultural Society of Lou-

Professor Thouin. Professor of Agriculture in the Royal Garden of Paris-his liberal contributions to promote his favourite science in the United States, will be gratefully remembered.

The three Ex-Presidents of the U. States-

No less usefully employed in their retirement, those of genius, most perfect where skilful culture aids prolific nature.

By Mr. Thompson. The land of the Olive and Vine—its soil patriotic—its fruit La Fayette.

the Hoe, and the Rake.

By Mr. Galin, Swedish Consul. The prospective Vineyards of America, may they soon produce the sweet alliance of the Grape and the

By Mr. Parvis, British Consul at Mexico. The union of the Horticultural Society of New-York with those of Great Britain.

By Professor Hare, of Philadelphia. The am-Would, that many of our most active politicians From the Albany County Agricultural Tracts.

By. M. Floy, Esq. late Secretary of the Society. The garden-beautiful to the eye, health-Resolutions were also introduced, and unaniful to the body, and instructive to the mind—mously adopted, tendering the thanks of the the Creator's gift to man, when in a state of insociety to the late Board of Officers, for their nocence.

By Professor Griscom. Horticultural Imbetter fruit, may it receive the richest of the

vided by Mr. Sykes, and served up in his usual Society—may the pruning knife of integrity and truth be impartially applied to the retrenchment

By Mr. Carter. The New-York Horticultural Society .- A friendly intercourse and cordial cooperation with kindred institutions in promoting

the great objects of this.

By Mr. Clarke. Horticulture-It was instituted in the Garden of Eden. It has progressed with the advancement of science and civilization -may it attain its summit in the clime, the air, and the soil consecrated to freedom.

By Mr. S. F. Wilson. William Cullen Bry-ant—the bard of New England. No better words can be applied to him than those of the

lamented Byron on another occasion:

"Thy country's voice, the voice of all the nine, Demand a hallowed harp—that harp is thine.

By M. M. Neah, Esq. The laurel of Greece, which o'ershadows the "poppy and mandragora" of Turkey

By Dr. Francis. The primitive horticulturists. -Adam, who watered the first plant, and Eve,

who plucked the first fruit.

By Wm. M. Price, Esq. The memory of

By Col. Baretto. Science-may its influence never be prostrated by individual malevolence.

ledonian Horticultural Society of Edinburgh.

Sir James Edward Smith The President of plant indigenous to no soil—it flourishes wherever

By Thomas Dixon. The pine, the rose, the Joseph Sabine, Esq. The efficient and learned shamrock and the thistle-may they ever flourish; and may the countries that give them birth

ever be in harmony.

By Mr. Pringle. FLORA—not more fair than faithful. While we admire her charms, let us emulate her constancy. The "grapes of Sodom" were a fit dessert for her false-hearted suitors.

By Mr. Gracie. The fruits of the garden, like

By Mr. Groshon. A union of the horticultural

societies upon fair and honourable terms. By a guest. Auld Scotia-may the gossamer

of her thistle often float to the western hemisphere, and germinate in the congenial soil of

After the President and Ex-President had retired, their healths were respectively proposed, with a compliment to their distinguished services, and drunk with loud and reiterated applause.

MANURES.

[No branch of our husbandry is more defective, than that which regards the preservation and application of manures; and in no way can we

late to marle, lime, bain yard dung, and green crops.}

marle, stone marle, and shell marle. They are by some distinguished by their colours, white, red, cent.; by Dr. Fordyce, 2 per cent.; a rich soil, blue, black, &c. but colours deserve no other at-quoted by Mr. Davy, in his lecture at the Royal tention in these bodies than as indicative of iron. Institution, 11 per cent. This is an inquiry, con-

body much too enlightened to use any term in an lu one, the proportion was equal to 9 per cent.; advertisement, the purport of which has not been in another, 20 per cent.; another 3 per cent.; well considered. When, therefore, the expres- and in a specimen of famous land, which I prosion nature is admitted, as distinct from proper-cured from Flanders, 17 per cent. But the cirties, they seem to require some intelligence on cumstance which much perplexes the inquiry is, the component parts of the substance used as that many poor soils possess the same or nearly manures; alluding probably by the term here the same proportions, as these most fertile ones, adopted, to the hassive qualities of bodies, as To attain the truth in so important a point, inthe active ones are supposed to be discriminated duced me to repeat many trials, and to compare under the word properties.

of sand, clay, and calcareous earth; the red and proportion of calcareous earth in a soil depends too expensive to permit any additional operations. black marles have a small quantity of iron. I on the deficiency of organic matter; of that orwhich prussiat of potash will not give some note knows by his practice, that it is poor, and not of the presence of that mineral. The quantity worth more than 10s. 15s. or 20s. an acre, he of calcarcous earth varies extremely, from 25 to may then conclude that there ought to be 20 per 30 per cent. Mr. Kirwaa remarks the impropri- cent. of calcareous earth in it; but if, on the ety of not calling a body chalk which contains contrary, it abound with organic matter, and be more than 80. One of the best clay marles worth in practice a much larger rent, in that case

Marle falls in pure water ;-but all examination by water is uncertain, if the water itself be to the strain and firmness; for this purpose clay spect of expense, viz. of vehicle, number of bornot first analyzed. It falls also by exposition to the atmosphere. Of its three constituent parts, of the calcareous earth which is in marle, is that weight, &c.) has been so well ascertained, that calcareous earth is composed of about one third* part carbonic acid, which is driven off by heat, acid particles, which are prejudicial; these are done with. The clay contains generally a small portion of neutralized, and rendered, if not beneficial, at The cro iron, a little volatile alkali, and some sulphuric least harmless. acid; and even when deprived of all organic contains none of these substances. Phosphorous believe from many experiments. may be gained from all calcareous earths.

2. The Properties of Marle.

The property that renders this manure particularly valuable, is the calcareous earth, (carbo nate of lime) it contains; and to every enlightened farmer it must be sufficiently evident, that as all fossil manures are intended to correct or improve the texture of the soil, its constituent parts must be known before any application can ration ally be made of this or any other similar ma

* Boyle, Kirwan, &c.

some iron.

of preparing and applying them to various that the average may be the fairer. The au soils, founded on practical experience. We thore are numerous who direct how soils are to the whole of this excellent cssay; but as it marling, is to discover the proportion of calca-embraces many kinds of manures not yet in-roots earth already in the land; and it is easy troduced into our practice, we must be content while this is doing, to find the proportions of to copy those parts only, at present, which research and clay; which three constituents form the

texture of the soil.

It is extremely difficult to discover, from the knowledge at present possessed by the public, OF MARLE. what ought to be the quantity of calcareous Marles the most common in England are clay earth in a soil. The best specimen analyzed by Giobret, had 6 per cent.; by Bergam, 30 per 1. The Nature of Marle.

The Bath and West of England Society is a and on soils of the most extraordinary fertility. cerning which I have made many experiments, every circumstance; and I am disposed to con-Marle is a fossil substance, usually composed clude, that the necessity of there being a large spreading; the quantity is too large and carriage have analyzed red marle from Cheshire, which ganic matter which is convertible into hydrogen the heaps should be left from six to twelve had seventeen grains in one thousand; and there gas. If the farmer find by experiment, that his months. arc few specimens, even of the whitest marle, in soil has but a small quantity of organic matter, or

matter, yields hydrogen gas. The sand, if clean to be taken up by plants, there is a great reason to as the farmer has the power of leaving it exposbelieve from many experiments. The earth of ed, six twelve or eighteen months; the longer vegetables is for the greatest part calcarcous. the more advantageous.* The successive chan-Water dissolves 1-680 parts of its weight of ges of the atmosphere moulder it down; and the calcarcous earth; and we find in this 32-100ths roots of the grass combine it with the surface, of carbonic acid, and thus impregnated, it dis where it is preserved much longer than if stirred solves 1-150ths of its weight of carbonate of line. immediately by the tillage of a fallow. This re-The vegetable acids have a great affinity with mark applies proportionally to the looseness of calcareous carth. In this respect however, the the soil on which it is spread. On sandy soils it quantity demanded is very small; for Lord Dun- is essential to good management. But I have in donald asserts, that all the calcareous earth to my own practice found; by the use of some thoube obtained from an acre of most crops will not sands of loads, that the above position is strongly exceed 80 pounds. Should the soil be deficient applicable to wet and heavy loams, as well as to in calcareous earth, the application of marle sandy loams, both of which have been greatly must with this view be important.

In regard to sand and clay, they both enter as

improve our farms so readily and profitably, as nure. A fair specimen of each division of soil component parts of vegetables; but they abound improve our farms so readily and profitably, as have. A fair specimen of each division of soil component parts of vegetables; but they abound by adopting the experience and practice of should be selected; I do not say field, because in all soils sufficiently for this purpose. A magnetic parts of the line of fences may not be the line of change in quality. In this selection, every material advantage attending the use of calcareous manures results from their assisting the putrefaction the agricultural world, delivered to the should be had in contemplation, and the usual Bath and West of England Society, on the natural parts of vegetables; but they abound in all soils sufficiently for this purpose. A magnetic parts of the parts of the profit in all soils sufficiently for this purpose. A magnetic parts of the parts o ture and properties of manures, and the mode specimen should be taken from very many spots, ed in the decomposition, and prepared for becoming the food of fresh vegetables. Dung also, soils, founded on practical experience. We thore are numerous who direct how soils are to when applied after such a manuring, acts sooners, regret that our limits do not permit us to give be analyzed. The grand object with relation to and with greater effect. Of composts I shall speak hereafter.

3. Collecting,

The common way of procuring marle is by digging. It should however, be mentioned, that it is dredged up from the beds of some rivers, particularly the Shannon.

The white shell marle, and white species of singularly specific levity, (probably the agaricus mineralis,) are both found under bogs, and also at

the bottom of lakes.

No person, whose land wants marle where it is not generally known to exist, should be satisfied without a most careful examination by boreing. A borer for twenty feet depth does not cost above 3. (for eighty feet not more than 20 guineas) and it is used without difficulty by any common workman, after a little attention in explaining it.

The bottoms of lakes and rivers should also be examined.

4. Preparation of Marle. None.

5. State in which applied.

Whatever benefit may result from exposition to the atmosphere, it must be attained after

6. The Application. Under this head must be considered.

1. Carting. 2. For what crop. 3. Depth of tillage.

The expense of carriage is every where so worth in practice a much larger rent, in that case great for bulky manures, that every means should contained 40 per cent. of calcareous earth, 50 of his marle cart will not be called for, though there be used for lessening it. The most important clay, and 8 to 10 of sand, with clear signs of be but 5 per cent. or even less of calcarcous improvement in this respect is that of substitumatter. Another motive for marling, which also ting one horse carts instead of the larger ones in concerns the texture of the soil, is that of giving more common use. The superiority in every re-

> The crop for or on which marle is first carried. must be either on lays or layers, as they are That it is a property of the calcarcous earth called, or fallow. The former is much the best,

^{*} By Mr. Kirwan, a third; by Bishop Wat son, 9 in 20; and by other authors, with some small variations. Extreme accuracy is desirable in merely phitosophical experiments, but uscless in agriculture.

Kirwan.

Burgman.

Senebier.

Macbride, Pringle, Lavoisier, &c. * See two very valuable fractical fiafiers on this subject, by Mr. Macro, (innals of Agricul-ture;) and by Mr. Rodwell, (Communication to the Board of Agriculture)

ed, that all fossile manures have a constant ten- 31s. 6d, an acre. dency to sink, so that in a course of years they will subside below the action of the plough; and this takes place pretty much in proportion to the number of ploughings which the land has received.

Thirdly, respecting the depth of tillage. The most experienced farmers are apprehensive of ed land.

bical yards, or 40 to 60 large loads, are a com-uncommonly pestered with the red worm; and mon quantity and found to answer well. If ratit is a singular quality of marle to lessen this ther underdone, they find it better to give a selevil considerably; whatever gives them a firmer cond dose than more at once. This prejudice texture, has a tendency to this effect. from overmarling is remarkable; because after it is done, the analysis of the surface will indicate no improper proportions, nor any which are not found on very rich soils. I conceive it is for want of the additament being homogenous, and well assimilated with the sand, as in soils of a natural texture it is rather a mixture than an incorporation. But why this should continue for so many years, it is very difficult to account for. When the evil is discovered, the management On the Manufacture of Straw and Grass Bonshould be varied. Seeds should not occur so often, nor be left so long as usual, and tillage where the texture approaches to perfection, tured. they lay on so little as ten or twelve to twenty tons. In Somersetshire, thirty loads an acre,

improved by clay marles. Let it be remember- raised by a shaft, has improved from 3s. 6d. to

9. The Soil.

The defect of a soil must be understood, before a wise farmer will put himself to the ex-pense of marling. The experience of every day the straw she has occasion for; she exerts her tawill inform him if his land want tenacity and consolidation; but the want of an addition of calcareturning the marle in too deep. The most approved our earth, as a food of plants, can be discovered only by analysis. There are other circumstances ed practice is to plough the layer shallow for peas. There is but one objection to turnips, and that is giving so much tillage so early after the improvement. Avoid potatoes, for I have found them mischievous in this period of marking the mark of the peasure of the layer of the and turnips producing deformed strings of roots, plain, out of the profit on the hats, for doing the without swelling into the proper gobular form, work for them. They earn from thirty to forty 7. The scason.

This is soon dispatched; for the business of distemper of the anbury, both afford a similar poor woman from the Appennines, for eight or This is soon dispatched; for the business of marling is usually done on such a scale as to pre-elude choice; it must be performed when the teams have leisure for the work. And it these are bought for the purpose, in order to finish a whole farm as fast as possible, that the farmer may reap the longer benefit, they are generally kept at work the whole year through; but if the business is on a smaller scale, so that the farmer may have his choice; on all wet and heavy soils it should be summer work, and on dry ones, it should be summer work, and on dry ones, it should be summer work, and on dry ones, it may be as well performed in the winter.

A the angentity may be as well performed in the winter.

8. The quantity.

This is an object of extreme importance; for I ed." There is a bog in Bedfordshire, in which have known very ill effects from giving over dos sulphat of iron abounds in a degree almost equal-have known very ill effects from giving over dos sulphat of iron abounds in a degree almost equal-have known very ill effects from giving over dos sulphat of iron abounds in a degree almost equal-have known very ill effects from giving over dos sulphat of iron abounds in a degree almost equal-have known very ill effects from giving over dos sulphat of iron abounds in a degree almost equal-have known very ill effects from giving over dos sulphat of iron abounds in a degree almost equal-have known very ill effects from giving over dos sulphat of iron abounds in a degree almost equal-have known very ill effects from giving over dos sulphat of iron abounds in a degree almost equal-have known very ill effects from giving over dos sulphat of iron abounds in a degree almost equal-have known very ill effects from giving over dos sulphat of iron abounds in a degree almost equal-have known very ill effects from giving over dos sulphat of iron abounds in a degree almost equal-have known very ill effects from giving over dos sulphat of iron abounds in a degree almost equal-have known very ill effects from giving over dos sulphat of iron abounds in a degree almost equal-have known very ill effects from giving over dos sulphat of iron abounds in a degree almost equal-have known very ill effects from giving over dos sulphat of iron abounds in a degree almost equal-have known very ill effects from giving over dos sulphat of iron abounds in a degree almost equal-have known very ill effects from giving over dos sulphat of iron abounds in a degree almost equal-have known very ill effects from giving over dos sulphat of iron abounds in a degree almost equal-have known very ill effects from giving over dos sulphat of iron abounds in a degree almost equal-have known very ill effects from have known very ill effects from giving over do-surplat of right abounds in a degree almost equal-ses of marle, and in some cases the fact is curious. It is seen converted into the fatigues. I have been assured that a ses of marle, and in some cases the fact is curious. It is folk, and even to the present time, some farmers, by his grace the Duke of Bedford. Wherever the whole manufacture of hats in Tuscany. It is folk, and even to the present time, some farmers, by his grace the Duke of Bedford. Wherever the straw of beardless wheat, cut before it is quite from experiencing the evil of looseness and a such soils are found, the application of marle, by want of texture in their poor sands, marled at reason of its calcareous earth, is sure to have which the strail to the calcareous hills; the rate of from one hundred and twenty to one great effect. Instances are too numerous to it is never manured, and the seed is sown very hundred and fifty cubical yards per acre; and quote; the acid is converted into sulphat of lime, thick. These houses being so near each other, it The firmness was produced, but being too much beneficial. Upon wet but loose loams, which are and that property in these vallies must be very at the expense of friability, a necessary property found when manured, to be more productive of much divided; the extent of these domains being in sand, the productiveness of the fields was da-straw than corn, I have found clay marle to be a from three to ten acres." p. 73, 74. maged for twenty years; so that at present upon cure, and attended with unquestionable profit.

It appears from these extracts that the girls of sands of weak fertility, from sixty to eighty cu-Another quality of these loams is that of being Tuscany, carry on the braiding of straw, at home,

> * Essays Physical and Literary, vol. ii, p. 249. Hendrick.

Darluc Hist. Nat. de Prov. vol. ii. p. 127. Husbandry in Scotland, vol. iv. p. 415.

FROM THE UNITED STATES GAZETTE

nets .- No. 8, and last.

The following notes on the Manufactory of Legmore freely exerted; this will accelerate the horn hats, are from the delightful letters of Cha-

much more. The marle in this case assimilates more easily. On loose peat bogs, and on moors, saw groups of peasant females dressed in white the greater the quantity, the greater the improvement. In all cases where the object is to with flowers, and placed on one side of the head. give calcareous earth, the quantity necessary is much less than when the intention is to consolistic than the treasure of the call. In Fig. Norfells which the treasure of the call. date the texture of the soil. In East Norfolk, which the straw hats of Florence are manufac-

I Translated by Dr. Rigby, Landon, 1819.

This manufacture is become a source of prosperity to the valley of Arno; it brings an annual return of three millions (of francs) which are divided among the females of the country, for the men have no concern in this branch of industry. lent to braid it as fine as possible, and sells for her own profit, the hats she has made; the money which she thus earns, at length, forming her

The following extract from a late English paper, shows what has been done in consequence of Cobbett's publications on the Leghorn hat business. The people of the United States will be able to collect some useful hints from his remarks, although a few of them do not apply to our situation; but they could not well be omitted.

FROM COBBETT'S REGISTER.

The farther I inquire and observe, the more complete is my conviction, that the Italians seldom or never make use of the straw of grass; and I am of opinion that we ourselves shall rival and beat subsidence, and the marl will be more beneficial teavieux, of Geneva, (letter 6th,) on the Agricul-these Italians with their own means; namely the in such a case below than on the surface. The ture of Italy, written in the years 1812 and '13. straw of grain. I have now numerous specimens quantity to be spread on poor, loose, wet loams, Speaking of the romantic Vale of Arno, he says, of Italian plat before me; some very coarse, and is much more considerable than on loose sands; "The road on each side was bordered with vil-some very fine, though by no means on heaveter and I have not known in this case, too great a lage houses, not more than a hundred paces from plat of Miss Woodhouse. Very fine, however, dose given; though I have spread as far as one each other; they are built of brick, and in a just- and I am convinced that even this fine is made hundred cubical yards per acre, and have known ness of proportion, and with an elegance of form out of the straw of grain, though to obtain straw

> or rye at the rate of about fifteen bushels to the acre. Miss Woodhouse chose to make use of grass in order to surpass the Italians in the fineness of her work, and she has surpassed them; but the straw of grain would be gotten much easier than that of grass, for a prodigious quantity would stand upon an acre of land; it would be all of one

sorts of rubbish.

grass. None of them are exquisitely fine; but is called knitted together; and this is a very nice manner. number seven is most beautiful. I have comparbusiness, and difficult to learn. Nevertheless, ed it with a piece of Leghorn, which is nearly of more than ten persons have sent me some specimal beautiful. I have comparbusiness, and difficult to learn. Nevertheless, may be made extensive; it may be made a blessthe same fineness; and in every respect the Normens of their knitting, which I find to be perfecting to the labouring people in particular. It may be made to draw from the rich of this country, contain six instances of joining or knitting together; and the doing of this has, it seems, been disting must be performed in a certain manner. The covered by the lady who made the plat. Better plat must consist of 13 straws, neither more nor and miserably clad. If some Irish Lord were, judges than I am, pronounce this knitting to be less. The edges of the plat must be so construct instead of spending his time at a watering place, perfectly well done. It is with great difficulty ed as for the eyes, or loops, or slips, as they are that the eye can trace the joining; and therefore, called, not to pull out when the needle passes good might he not do? The Italians cannot work we need be in no apprehension as to an incapacity along to knit the two pieces of plat together. In

to perform this part of the work.

cimens of plat made by his daughter and his maid servant. These are very good, and his specimens of grass are very good also. The difficulty which needle. Whether this can be learned without now selling Leghorn bonnets at a loss. But what he finds in getting the platters to work upon the seeing and examining a piece of plat properly will the benefit be if we prevent the sending of new plat will, I imagine, very soon disappear.— made, I do not know; but learned it must be, for half a million of money out of the country? To People are always unwilling to consider that it is essential. which they have been accustomed to do, as being of less value and less importance than that which they have not been accustomed to do. But a short Jews and Jewesses of London. time gets the better of this sort of feeling, and such will be the result in the present instance.-I look upon the discovery as of the greatest im- ral Christian women have learnt this Jewish mysportance, as leading to the habit of domestic manufacture; and by domestic, I mean in the family where the article is used. At present, the persons will very soon be in the habit of learning it at the who plat straw live in particular districts, and fol-same time that they learn their letters and learn low the platting as a sort of trade. This, to a certain extent, and for exportation, perhaps may lent should be paid for the communicating it to be desirable still; but what I want to see is this, others; and they will be paid for it, of course; the hats and bonnets made in people's houses after just the same manner that shirts, cravats, and ly known and as easily performed, and more easisuch things are made. Before, when we had no ly too, than the making of a collar of a shirt. Be idea that we had the material to make them of, it always understood, that, as far as my wishes go, or where to get straw to split, it was necessary I would not give a farthing for the thing, unless it ing a short ride with an old friend from Elkton, to go to the farmer and make a purchase; when became as general as any of these domestic works to the picturesque shores of the Sassafras river in this was the case, the hat and bonnet makers na-which our wives, daughters and servants are in Cacil County. It was there, at Rose hill, the

terworkers of the master manufacturers or dea- thing being confined to particular districts, that I Probably enough straw to make five thousand lers; so that the thing had to pass three or four am taking all these pains; I want to see it diffusbonnets might be grown upon an acre of land. It hands before it reached the wearer. Now let it ed; I want to see it in such a state, that any lady should be cut just when the milk is coming into be borne in mind, that all middlemen are mis- in the country shall think no more of sending to the grain of the head ears of the field. In most the grain of the head ears of the grain of the head ears of the grain of the grain of the grain of the grain of the head ears of the grain of the gr furrows where the straw is very small, and where men take away that which ought to remunerate be found as easily as the dirt we tread upon. It is the cars are scarcely an inch long, and have no grain, or only a single grain, in each of them, and that an imperfect one. In the 'Cottage Economy' a mentioned the different sorts of wheat, and pointed out those which I thought best for this them in this town has received them in a pointed out those which I thought best for this them in this town has received them in a binger house man in this town has received them in a binger house man in this town has received them the pointed out those which I thought best for this town has received them the pointed out those which I thought best for this form a binger house man in this town has received them the pointed out those which I thought best for this form a binger house man in the town has received them the pointed out those which I thought best for this form a binger house man in the town has received them the pointed out those which I thought best for this form a binger house man in the town has received them the pointed out those which I thought best for this form a binger house man in the form the neighbouring town. purpose; but I am satisfied that any sort will do. from a bigger bonnet man in London. He (for hedge is there that does not afford such bundle? The grass of various sorts may, nevertheless, we will suppose them to be English produce) has be used; and I can see no reason why the great had them built, after having bought the plat of a has been used, which we are to look upon as the variety of sizes and of colours, afforded by the plat merchant, who has first bought it of the number that will be used. Gentlemen who are grass should not prove advantageous, rather than platters, in the platting district. Here, then, are ashamed to put the poor miserable things of comotherwise. Certain it is that we have all the ma-three persons between the platter and the wearer. mon straw upon their heads, will be delighted terials here; and certain it is also that I have, at These three persons must each of them have a with a hat made of materials such as I find in the this moment, platters at work upon English Rye greater profit than the platter. Now, is not this eight specimens sent up by W. B. from Norfolk. straw who are producing work equal to any that a very absurd way of going on? You have the His wife made the plat and knitted it. She had I can find that has come from Leghorn. This is materials in every field and every hedge. It costs no teaching to do either; and what a beautiful hat coming to the point; and the point will have been little more trouble to get them than it does to might be made out of numbers five or seven of come to in a very short time; for it will not take pick a nosegay. You get enough in five minutes this plat. So that we are not to suppose that the more than a fortnight to turn this plat into bon from the side of a footpath under any hedge in number of hats and bonnets would not be increasnets. I prefer beginning upon the grain straw, the kingdom. Is it not better then, to give a part ed. Besides, as I have elsewhere observed, a because it is the very same material that the Floor of the ten pounds to the working people in your great exportation would certainly take place, and rentines make use of. Several sorts of grass will own neighborhood, to come and help you to build in this the whole country, particularly the landmake much finer and much more beautiful plat; the hats and bonnets, than to divide the whole ten holders, are deeply interested. The exportation but it will not be the same as that which comes pounds amongst strangers, and giving about seven from Italy is very great. Many millions a year

along to knit the two pieces of plat together. In cheaper than the Irish could. However, 1 exorder to secure this point, care must be taken, pect I must confess, much more to be done by the A gentleman from Suffolk has sent me some spe- when a fresh straw is put in, to give it so much of middle ranks of society than by any body else.

sort of mystery, retained to themselves by the

However, already has there been an inroad made upon the mystery. I understand that sevewill keep schools to teach this knitting, and girls to sew. It is right that those who possess the ta but it cannot long remain a thing not as common

kind, and would be free from weeds, and from all turally congregated together, and became the un- the habit of herforming. It is to prevent the

from Leghorn. It will be better, but not the same; out of the ten to the middle men in the business. are brought to that country by the export of the and therefore I begin with the straw of grain, and

It is not to be expected that such a change will several articles made of straw. We are told that which does, indeed, make very beautiful plat.

The eight pieces of plat sent me by W. B. from ficulties are, they must be overcome; and I will that in spite of their cheap working, we shall very Norfolk, exhibit a most admirable specimen of now endeavour to remove some of them. The soon work them out of this species of traffic. If attention, industry, and skill. Five are, I see, great difference between a Leghorn and an I lived in the platting districts, I would have perfrom the common Bennet grass; two from the English one consists of the different manner of sons brought thither to teach the young girls how crested dog's tail, and one from the maiden's hair putting the plat together. The Leghorn is what to knit the plat and how to make it in the proper

do it effectually, large tracts of grain must be This work of knitting has been considered as a sown in the fall, for the purpose of raising straw. Nevertheless, I cannot help thus early observing that, if I were a little farmer (no matter in what part of the kingdom,) I should be already fixing upon a piece of ground in which to sow some wheat or some rye. Fine employment for daugh-What will take place will be this: Women ters and boys to cut, to bleach, and pluck to prepare the straw."

ON THE CULTURE OF THE HAUTBOY STRAWBERRY.

TO THE EDITOR OF THE AMERICAN FARMER.

A few weeks past I sent you some observations and reflections on agricultural subjects, made dur-

beautiful estate of Gen. F. where I saw so many having thus marked off each end of your beds, insignia of good taste, such numerous sources of proceed to the sides, and as before directed, first rational enjoyment, and abundant means of real stretch your line, and place a stick at every 19 comfort, that my early passion for country life, inches, for the whole length of your beds on both and its innocent pleasures, from which circumstances had so long withdrawn me, was at once three rows of plants in each bed, to the middle renewed and invigorated. If you would realise the enviable lot of my old friend, you must figure to yourself a gentleman on the wrong side of sixty, who will not allow you to call him old, and whose active personal habits and sprightly conversation seem to forbid that you should; blessed with a classical education, and fondness for books, rich in revolutionary anecdotes, contemplating with conscious pride, in all our institutions, the fruits of the independence which he contributed to es- hard enough to make a distinct mark on the moist, and your fruit perfectly clean. Trod straw tablish; his venerable person overshadowed, protected, and nourished by his own vine and his own fig tree, and his estate beautified by the clm, a similar scribe throughout your whole plot if you with more ease, the sycamore, the walnut, the maple, &c. planted are in readiness for planting, if not, it will be After this your vines should not be disturbed by his own hand, and destined to survive for ages best for you to prepare small sticks of cedar or until they are done fruiting, but as soon as the to come, as enduring monuments of his taste and white pine, and place one at every intersection, fruit is gone, be attentive to pull off-runners and providence; and, when you have done this, you which will save you the trouble of laying out your pull up all weeds, suffering the straw to remain

agement, which he has since reduced to writing with a distinctness which cannot fail to impart valuable instruction to your readers. You are aware that the scarlet and the Hautboy Strawberry are natives of America, and were taken hence to England about two centuries ago. The varieties of this, like other fruits, have been so multiplied by cultivation, that it has become, even with the aid of the pencil and all its colours, almost impossible to represent them. The enlightened President of the Horticultural Society, A. Knight, Esq. has himself not less than four hundred varieties—but as there is no time to be lost I submit to your readers the following:-

Directions for the culture of the Hautboy Strawberry, as practised at Rose-hill, in Cacil County, Maryland.

"The plot of Hautboy Strawberries, to which you refer, is 87 by 40 feet, planted about the year 1802, is in perfect vigour, although most probably

not one of the original plants remain.

It is divided into 14 beds, the plants at 18 inthes apart, the alleys three feet wide, though when the beds are dressed and in neat order, the alleys shew but 18 inches, 9 inches being taken ber of slim equal sized pointed sticks about 9 in small stick at every three feet, and 18 inches, and place where they are wanting, but be not too has18 inches alternately, and at both ends, for the ty in removing those which at first sight may apwhole number of beds which you design; and pear dead, for very frequently upon a careful exThe superiority of the straw is another important

You will understand that you have but row of which you can reach from the alleys with out treading on the bed, which never should be permitted Your 12 foot stick is now to be con verted into a marking stick, commencing at the sides or 18 inch sticks, begin at the top or first sticks of the opposite sides, by drawing very tight your line from stick to opposite stick, placing the grooved end of your marking stick upon the line, and run the same from end to end, pressing just ground; this being completed, you are now to is infinitely better than threshed, because it can stretch your line at the ends of the beds, and make be spread with greater accuracy and removed

your planting; that your vines are flourishing; fruit beds. that you have been attentive to take off, from time to time, all the runners, without fulling up with which has male and female plants, all others the parent plant; and that frost is approaching, that I have seen are hermaphrodites. I will take against which it is necessary to secure your plants; opportunity to send your friend a box of plants, if If your vines are strong and luxuriant, begin by you will inform me who will receive them in cutting off all the leaves, even to the crown, with Philadelphia. And now, Sir, I am to apoloa sharp large knife, which is done by gathering gize for my minute and tedious description. Al-all the leaves of each plant into you hand, and with one stroke cutting under your hand. This done, keep all clean by good cultivation; straw in time carefully clean your beds from all grass and weeds, for fear of injuring the bloom; plant one male and plants, and having marked your line with the structions to every minutix of management. pade, your alleys are reduced to 18 inches, these dig up, and a portion of the earth therefrom must be alternately thrown to each side of the digger u/ton the beds, so that they are moderately rais ed above the alleys, and the alleys proportionably depressed; thus you not only give nourishment a long time before you hear again the wailing to the plants, but you prevent their being injured notes of the by water lying on them; the edges of your beds should be neatly patted with the spade, and the from each side to dress the beds. I prefer a flat alleys made even and smooth with the rake. As and rich loam, whether red or yellow immaterial, soon as your beds are somewhat settled, and when so that it is rich, neither too refentive of water, severe frost is about to set in, carefully cover them nor too quickly becoming dry. When you com- with half rotten manure, which is free from grass nor too quickly becoming dry. When you commence making a plantation, the ground should be seed; be not sparing of this article, which should first neatly prepared in one level plot, have a line be at least two inches thick, equally and neatly the practice, and before the field is fully whitenat least equal to the whole length of your plot, distributed, and placed, by hand, immediately ed. Almost every farmer has his peculiar rule, free from knots, (and sufficiently strong to bear round the plants. As soon in the spring as there or modus operandi, by which he is governed. My a powerful pull,) a rod 12 feet long, accurately is evidence of your plants growing, carefully rake rule is to cut my grain, when I can easily crush marked at every 18 inches, with a groove in one off into the alleys all the manure which you the kernel with my thumb and finger. I find by end equal to the thickness of the line, and a num-spread the preceding autumn, and having taken experience, that there are many peculiar advanit from the plot, dress up your beds as before di tages attending this practice of early cutting. In ches long. Thus prepared, stretch your line the rected, by a light digging and throwing up some the first place, you get as much, or more grain, whole length of your plot, at each side thereof, fresh carth from the alleys; during this operanotwithstrading the shrinking of the kernel. But and placing your rod along your line, place a tion carefully examine for missing plants, and re-when made into bread, its superiority is strikingly

unination, you will find a growing bud under the earth. At the same time that you begin this dressing of the beds, carefully spread on some vacant place which is free from grass, a large porion of clean straw, in order that the grains and seeds therein may all be sprouted, otherwise when this straw is spread on the beds, these grains and seeds will grow and prove equally, if not more troublesome than weeds-this straw should, upon the first appearance of bloom, (and not later) be neatly and equally spread over every part of your beds and alleys, to a depth sufficient to perfectly cover the earth, and it answers a three-fold purpose; it checks the growth of grass and weeds, it keeps the ground cool and

providence; and, when you have done this, you winch will save you the trouble of laying out your pull up all weeds, suffering the straw to remain will be ready to make one of the party of friends ground a second time, and will guide you in making the last of July, or the first of August, which had authorised by a carte blanche to take ing good all missing sections. The leaves and when it should be carefully taken off, all runners roots of your plants neatly trimmed, let every outhout the first of your plants neatly trimmed, let every outhout the first of your plants neatly trimmed, let every outhout the first of your plants neatly trimmed, let every outhout the first of your plants neatly trimmed, let every outhout the make and alleys neatly dressed up, and missing plants replaced. Thus plants, and for the middle row of each bed, you managed, you have a right to expect an abundant plants, horticultural operations, I noticed, particularies, will be most prudent and save you much trouble, pulls the fruit or goes upon the beds, and by quarts, but bushels. Knowing how often the roots of your plants neatly trimmed, let every outhout the hast of July, or the first of August, and when it should be carefully taken off, all runners or your earlies to the first of your plants neatly trimmed, let every outhout the hast of July, or the first of August, when it should be carefully taken off, all runners and weeds removed, the beds and alleys neatly dressed up, and missing plants replaced. Thus plants, and for the middle row of each bed, you managed, you have a right to expect an abundant to plants, and for the middle row of each bed, you managed, you have a right to expect an abundant to plants, that in case of failure you weeds before the bloom comments and he made and seven you much trouble, before the bloom comments and he made and seven you weeds before the bloom comments and he made and when it should be carefully taken of July, or the first of August. by quarts, but bushels. Knowing how often the most zealous and careful attempts to cultivate may know where to place your male plants. April responsible for the fruit. In the extreme corners this fine fruit have failed, I took the opportunity and September are the best months for making of my garden, I have one small patch of males to obtain from him minute directions for its mannew beds; with shade and water you may, and and another of females, and the sticks fixed to the should, replant at any time from April to October. male plants show me which are wanted, and this We will suppose that you have succeeded in is much surer and easier than renewing from the

and dig them two or three inches deep with a eight females, and your plants 18 inches apart. spade or hoe, then stretch your line along your (and in this consists all the secret.) Yet, in combeds lengthwise the alleys, 9 inches from the pliance with your wishes, I have extended my in-

21st July, 1824.

As birds of my feather appear only at certain scasons, and as the period for hybernation appreaches, unless by transmigration, my soul should animate the frame of some other bird, it may be

WHIP-POOR-WILL.

FROM THE VERMONT REPUBLICAN.

0 4000

CUTTING GRAIN.

Grain should be cut earlier than is ordinarily

30 days it will not be amiss.

FROM THE NEW-ENGLAND FARMER.

EASY METHOD FOR KILLING BED BUGS.

soon appear; I afterwards tried corosive sublimate, essence of tobacco, lamp oil, yellow snuff, spirits of turpentine, linseed oil, salt, brine, &c. &c. with no better success. In 1815, I used the following composition, and have since used it once in two or three years, and have not seen a bug in my bcd since I first used it.

For two bedsteads, take six cents worth of

quicksilver, (crude mercury) and the white of I gave you an account some time since, is now fully

-0-

Power of the Arctic Dogs .- Captain Parry has given an interesting account of the power of these animals, and of their great use in dragging anchors, cables, boats, and stores of all kinds, from the Hecla to the Fury, which they performed with astonishing case and expedition. "It was a curious sight," says Captain Parry, "to watch these useful animals walking off with a bower anchor, a hoat or a top mast, without any difficulty; and it may give some idea of what they are able to perform to state, that nine dogs of Capt. Lyon's, dragged 1611 pounds a distance of 1750 yards in nine minutes; and that they worked in a similar way between the ships for seven or eight hours a Horticultural Society of New York. The Editor day. The road was, however, very good at this would be much indebted to any correspondent for time, and the dogs the best that could be procuraccounts of any attempts to cultivate the vine, whether native or imported kinds; and of any defend of our acquaintance have just returned

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Turnpike Roads .- It appears by a statement, hitherto noticed in the Farmer .- ED. AM. FAR. that there are 18,329 miles of Turnpike Roads in England; 2591 do in Wales; and 3611 in Scotland: total 24,531. The annual income on the average of the years 1816, 1819, and 1820, was, England 970,618.2.—Wales, 37.672.2.—Scotland 129,635.2. Total 1,137,925.2. But this income, besides the necessary expense of continuing repairs, was burthened in the year 1821 with the following debt England 3,874,255\$\mathcal{L}\$. Wales 201,962\$\mathcal{L}\$. Scotland 1,124,273\$\mathcal{L}\$ 'Fotal, 5,200,490\$\mathcal{L}\$. In Norfolk, the number of miles was 271, the income per mile 38£.; the expenditure per do. 26£.; excess of in come 12£. In Suffolk, the number of miles 279; income per mile 34£.; expenditure per do. 31£; excess of income 3.L.

OTTO OTTO

that one of the greatest obstacles to the present and less obtained for it;—at the cotton trade ditto, exportation is the prohibitive system, adopted at ditto. In short, the people of the United States first by a neighbouring power (England,) and in succession by all States. "Let us hope," added wealth, nothing but "hewers of wood and drawhe, "that the different powers of Europe, who ers of water" to the nations of Europe. Would by an agreement so happy and so novel, have so to God that the admirable address of a Mr. —, strongly and so generally combined to defend ciof —, in Massachusetts, which you published vilization against the subversive principles which in your paper in the course of last spring, was

() TO THE EDITOR OF THE AMERICAN FARMER.

VALUABLE NATIVE GRAPE.

Franklin, Tenn.) Aug. 6, 1824.

DEAR SIR:-The grapes on the vine, of which one hen's egg, beat them thirty minutes with a feather, and apply the mixture with the feather to all the joints, &c. of the bedstead.

DORCAS.

I gave you an account some time since, is now in the sample of the skin of the grapes;* for an American for preserving fruits, &c. which renders it much better suited for that purpose, than a syrup prepared from the best loaf sugar, as it is not so liavery fine skin. The grape is of great fragrance pared from the best loaf sugar, as it is not so lia-and very sweet; it blossomed the 17th May, and ble to candy, nor (if well prepared) to ferment was so far ripened the 17th July as to assume a red appearance. If age makes any improvement in the quality of the fruit, I do not he sitate to pronounce it a fine grape.

Respectfully, yours,

J. FIELD.

*The skin is uncommonly thin, but the seeds appear to be large; they have been sent to the whether native or imported kinds; and of any considerable essays at wine making from the grape, or any other fruit, which have not been

> SEED () SEEDING FOR THE AMERICAN FARMER.

CURIOSITIES-In Commerce and Political Economy.

consideration, in favour of this early cutting; for eattle or horses it is vastly superior, and even for purposes of manure it is far preferable. When grain stands late in the field, many of the stalks are crippled down, much is destroyed by vermin and birds, and immense quantities wasted in gathering it by its scattering from the heads and sheaves. After cutting your grain at the period I propose, expose it a short time to the sun, then bind in small sheaves, and put it very nicely ioto the sheck. After this you need not be in haste to get it into the barn; should it stand out 20 or 50 days it will not be amiss.

yearly produce of wine in France is from six to eight hundred millions of france (from twenty-four to thirty-two millions sterling;) in quantity, and which, I apprehend, is greater for the capital and population of the country, than is to be found in any other nation, save G. Britain. Hence I hope that some of your friends in the northen cities, will give us a comparative statistical account of will give us a comparative statistical account of the capital will give us a comparative statistical account of will give us a comparative statistical account of the capital many other nation, save G. Britain. Hence I hope that some of your friends in the northen cities, will give us a comparative statistical account of the capital state of the capital sund population of the country, than is to be found in any other nation, save G. Britain. Hence I hope that some of your friends in the northen cities, will give us a comparative statistical account of will give us a comparative statistical account of the departments, the Gironde has the largest produce, about 2,565,476 hectolitres, worth about two millions sterling; in quantity, and which, I apprehend, is greater for the capital and population of the country, than is to be found in any other nation, save G. Britain. Hence I hope that some of your friends in the northen cities, will give us a comparative statistical account of the departments, the Gironde has the Sin,—I read in your paper of July 10, a piece for fifty years have threatened it with ruin, will more read and better understood! I say imagina-decoction of red pepper, would speedily kill or expel bed bugs." I tried the same twenty years would speed by destined to secure the repose of the world and the improves the soil, adds gradually, but permanent-since; it would kill them, but new swarms would happiness of society." ly, to the wealth of the country, and furnishes a hale and healthy (in body and mind) population. The catalogues of the bankruptcies in the comnicrcial cities, for the past 20 years, will speak volumes on this subject. VIATER. ----

FROM THE VIRGINIA HERALD.

As Economy is the order of the day, permit me ble to candy, nor (if well prepared,) to ferment— Take 8 lbs. Molasses, bright New-Orleans, or

Sugar House,

8 lbs. pure Water, 1 lb. coarsely powdered Charcoal-

Boil for 20 minutes, then strain through fine It ripens remarkably regularly, although the grapes set very close on the bunch—not a single instance of any rot, although the season has been I should not trouble you with the above, but I am flannel, double-put it again in the kettle with unusually wet; other kinds of grape rotted very much.

I should not trouble yet and the experiment, will be so well pleased with it, as to recomment, will be so well pleased with it, as to recommend it to their acquaintances generally. Yours, &c.

() OFF

Chesapeake and Delaware Canal .- Two genfrom a visit to this canal, and we are sure that it will gratify our readers to know with what success a work advances, which is of such importance to the future interests of Philadelphia. The excavation at the summit, or deep cut, the most difficult part of the line, has been conducted with a diligence and skill that are highly honourable to the contractors:-the foundation of the tide lock on the Delaware was attended with more than ordinary difficulty, owing to the extreme softness of MR. SKINNER :- Within a few days I was forci- the soil, and the violence of the tide and storms bly struck by three singular circumstances: First, from the open bay. This, however, has been suran announcement of an expectation of there being mounted, and the greater part of the foundation such a demand for flour in Spain, as to occasion an is laid. In general the persons employed on the advance in price in the United States. Second, a work are in every respect competent and worthy: statement that Dantzic flour had been shipped at the engineer, Mr. Wright, is adding, if possible, 20s. 6d. per barrel. Third, that 1000 barrels of every day to the distinguished reputation he ob-American flour had been sold in England for 21s. tained in New-York; the contractors at work on sterling the barrel. It proves the wretched spirit the line are, with few exceptions, executing their of traffic, and how desirable it is that it should be contracts with industry and skill. Our informants The Wines of France.—The Paris Etoile concludes the checked. Here are three circumstances, each auderstood that a company who had not done so, tains some curious details from the report of the combining with the other to prove the folly of were to be promptly dismissed, and we perceive by an advertisement that this has already here trade of France. It appears that the value of the ceeding, I presume, from the excessive accumulations.—Nat. Gaz.

Editorial Correspondence.

Extract of a letter dated Braddock's-Fields, near Pittsburg, 26th August.

"I have raised, during the present season, a considerable quantity of the Hyson Tea Plant, which now looks well and is nearly ready for stripping. If (after curing) I find the tea of a good, or even a tolerable quality, I intend to send you a sample.

Respectfully yours,

GEO. WALLACE."

Extract of a letter dated Mallories, (Georgia.) 22d August.

"In this part of the country rains have been withheld. Heat has been showered down on us in profusion. Rather more health prevails than usual at this season. Crops worse than usual.-Great political excitement. Our depression next year must be extreme, if we loose our candidate and have nothing to eat in the bargain."

THE FARMER.

BALTIMORE, FRIDAY, SEPTEMBER 10, 1824.

CATTLE LIABLE TO DISEASES OF CLIMATE.

climate, says he, it is very difficult to preserve the lives of horned cattle brought from the North.— 10 cts.—Candles, Mould, 123 cts.—Snap, 7 cts.— at Bath, last Christmas, and afterwards was exAt least three out of four die in June or July after Pork, Mess, \$16 00—Ditto Prime, \$12—Butter, hibited at Bristol for Show, and considered the they arrive here; and if they arrive in the spring, 7 cts. to 14 cts.—Lard, 10 cts.—Bacon, 6 a 7 cts. fattest ox in the kingdom. Young Charmer was summer, or early in the fall, they die immediately. I never knew one to escape disease entirely 35 cts.—New Wool, 30 to 35 cts.—Merino full Christmas Show of fat Beef and was superior to during the first summer: if they survive the first blooded 35 to 40 cts.—¾ do. 30 to 35 cts.—½ do. any there." This pedigree might be extended season they do well. I think young cattle are 25 to 28 cts.—Common, 20 to 25 cts.—25 per surther back, but it is considered unnecessary to more apt to withstand the effects of the change cent, more when well washed on the sheep and persons who will view the animal, of climate than old ones." He advises them to free from tags.

Roxbury, July 12, 1824. be sent to the South not sooner than 15th November, nor later than 1st of February.

We should be much obliged to any medical gentleman in the South, who would favour us with his observations on the subject of the above

extract.

The writer of "OBSERVATIONS OF A COR-RESPONDENT ON A VISIT TO SARATOGA,"

The latter intimates that instead of the extracts benefitted by the wisdom that suggested and made

subject, and it is expected that all persons hold-ty will be expected. ing subscription papers, will, at the next meeting, be prepared to pay over to the Treasurer, the amount subscribed; advances having been made in that expectation, and the meeting has been postponed a week to give time for its fulfilment.

It is earnestly hoped that every Trustee who takes an interest in the success of the Society, will be present on this occasion, prepared to sug gest such measures as he may believe necessary to ensure the satisfaction and gratification of the publick at the next Cattle Show in October.

ly collected every Thursday, for the American Farmer. By ROGERS & STMINGTON.

Flour, Howard St., \$5 37, wagon price—Do. As many persons, however, who have fine cows, Susquehannah, \$5, cargo price—Do. Wharf \$4 75 do not wish to raise calves, Mr. P. will agree to white, 33—do. yellow,—; Do. Rye, brl. \$2 a 2.75 and not charge for the use of the Bull. The Corn Meal, brl. \$2—Rye, per bus. 37½ cts.—Oats, Trustees hope by this means, many more fine 19 cts. cargo price—B. E. Peas, 50—White Beans, animals will be raised for public benefit. His co100—Whiskey, 27 cts.—Apple Brandy, 35 cts—lour is a beautiful dark red. The Elaber to Biseases of Climate to the Editor, under date of August 25, from Washington, North Carolina, repeats a fact which has been often suggested in the course of our Editorial correspondence, to wit: The liability of cattle, as well as of the human race to the diseases of climate. "Io this human race to the diseases of climate. "Io this property of the store of the store

TOBACCO. Four hhds. fine yellow, made by Mr. Allen Dorsey, of Anne Arundle County, sold for \$37.—Common Tobacco same as last report.

Philadelphia Society FOR PROMOTING AGRICULTURE.

JOHN SCOTT, Chemist, late of Edinburgh, by gives his will, made in the year 1816, bequeathed the us leave to postpone his communications at any sum of \$4000, in the funded three per cent Stock time to suit our convenience and the taste of our of the U.S. to the Corporation of the city of Philreaders. We have two of his letters on file, adelphia, to the intent "that the interest and diwhich will appear without unnecessary delay: in vidends, to become receivable thereon, should be the mean time we apprehend we do him no injus- laid out in Premiums to be distributed among intice, as we strongly suspect that Whip-poor-will, genious men and women, who make useful invenwhose nntes run through a page of this number, tions, but no such premium to exceed \$20: and and our travelling correspondent to be one and the that there with shall be given a Copper Medal with this inscription—"TO THE MOST DESERV. ING."-The Select and Common Councils of the promised in relation to the New-York Canals, he city of Philadelphia, have entrusted "the Philamay take an original view of their direction, ex- delphia Society for promoting Agriculture," with tent, cost, revenue, and bearing on the interests of the distribution of the aforesaid premiums and that State, and the power and character of the medals, and a Committee of that Society have that State, and the power and character of the medals, and a Committee of that Society have nation. And we presume he will find no difficul-been appointed to attend thereto. The subscribty in showing, that every "man, woman, and ers named as that committee, give notice that child" in this country, have been more or less they will receive application for the same. they will receive application for the same.

Certificates of the originality and utility of

pense, through the post office.

Society, on Wednesday, the 15th of September. panied by drawings in perspective and detail, Advertisements, &c.

On several accounts it is important that the where necessary to illustrate it. Where the inmeeting be full, in number, and punctual as to vention is a composition of matter, specimens of the ingredients and of the composition of matter The premiums have been contracted for agree-sufficient in quantity for the purpose of experiably to the understanding hitherto had on that ment, and to preserve in the Cabinet of the Socie-

Committee:

JAMES MEASE, ROBERTS VAUX REUBEN HAINES, WM. H. KEATING ROBERT HARE, ADAM ECKFELDT

Imported Bull—Sir Isaac.

This very fine young animal, just arrived from England, is of the true Herefordshire breed, having been presented to the ... Massachusetts Society for promoting Agriculture," by Admiral Sir Isaac Coffin, together with a superb COW of the same breed. They have been placed by the Trustees on the Farm of John Prince, Esq. at Jamaica PRICES OF COUNTRY PRODUCE - careful- Plain, in Roxbury for one year. He will be permitted this autumn to go to but few cows at three dollars each, which must be paid in advance.

Wheat, white, 90 a 100-Do. Red, 85 a 90-Corn, take them at six weeks old, at their real value,

-Leather, Best Sole, 24 to 27 cts.-Feathers, out of Old Charmer, killed at Hereford for the

Duke o'himbs.

A fine young BULL, two years old last February, is offered for sale. His sire is the celebrated Tecswater bull Bergami. His dam, a beautiful heifer, is by a Feeswater bull, out of a fine cow of the Lancashire broad horn bread. His grand dam and dam took the first premium at the Cattle Show, in 1820, at New-York, as the property of Mr. Warren De Lancy, they being adjudged the best milch cow and calf, amongst a great number on the ground.

The Duke is of a deep red colour, with a few white spots about his eyes; he is large, remarkably handsome and docile. Lowest cash price, at the farm of the proprietor, near Rockville, Maryland, 150 dollars. If delivered in Baltimore or Washington, ten dollars additional will be expected. It is confidently believed by the proprietor, that, considering his blood, size, fine points, good temper, and youth, few more desirable animals, of his race, are to be found in the United States at any price. Apply to the Editor of the Farmer.

CONTENTS OF THIS NUMBER.

An Address of John H. Powel to the Pennsylvania Agriappear the practicability of these great works.

IMPORTANT MEETING

OF THE BOARD OF TRUSTEES OF THE MARYLAND

OF THE BOARD OF THE BOARD OF THE BOARD OF THE The next meeting will take place at the town residence of James Cox, Esq., Treasurer of said in clear language, and correctly written, accom-torial Correspondence—Editorial Correspondence—Editoria

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ON A VISIT TO SARATOGA-Earl Stimson-his No. V. 8th August, 1824.

Amongst the great variety of visiters who have recourse to this place, some for health and some for pleasure; young men in search of wives, and wives to shew off their daughters; not the least numerous or valuable class consists of sedate and intelligent Farmers; chiefly those who migrate hither annually to escape the diseases of the Southern climate. These soon get tired of the continual round of lighter amusements, provided for the entertainment of the young and the gay, and readily embrace every proposal to reconnoitre the adjacent country. Hence we found yesterday, no difficulty in making up a party of a dozen farmers from Georgia, South-Carolina, Massachusetts, Pennsylvania, &c. to beat up the quarters of Earl Stimson, Esq. residing fifteen miles from here, in the town of Galway; well known for having taken in 1819 the premium offered by the Agricultural Society for the best cultivated farm in the county-an honour dearer to the heart of benevolence than all the blood stained trophies that ever shadowed the brows of Alexander or Cæsar.

We were received very politely by Mr. Stimson; to whom it was obvious such visits were by no means uncommon. He seemed at once to understand our object; and having first tendered us refreshments, promptly offered to conduct us over the farm-so away we followed close at his elbow It was a miniature picture of Mr. Coke, and his 500 followers over the fields of Holkham, except that we went on foot, and Mr. Stimson himself was not mounted on an old white charger, with sagacity to conduct his master's guests through the most fertile portions of the fields, as was, I suppose, joeularly said of the great Norfolk far-

mer by one of his friends.

We examined as minutely as the time would permit, his various crops; the implements and processes by which they were made; and every where we saw exemplified the great desideratum of judicious farming, to wit: Labour judiciously applied as to time, and manner, on fields in good

condition, yielding heavy crops.

You may feel assured that with a dozen close at his heels, some connoisseurs, and some amateurs, our host was well employed to answer all the interrogatories we put to him-no student, on trial for his degrees, ever encountered more critical examination, and few are ever so well prepared to pass the ordeal; and here let me premise, that Mr. Stimson is a plain matter of fact man, who proceeds on the solid foundation of experience, with habits of close and accurate observation; wedded to no theories which practice does not sanction, and always ready to be guided by results, even though he can not trace them to their causes. Hence when he announced to us in the outset, that his plough never sunk beyond the depth of three inches, was always drawn by one horse, and that his manure was always given to his small grain erops, and spread upon the surface, to be turned in only with a light harrowwe, farmers by the new lights, were all astonish ed, and with one voice demanded his justification for this heretical departure, from the newly established canons of the church-agricultural! He replied, gentlemen, I pretend not to be deeply versed in the rationale, of farming; my business is with its results. I can only tell you, that in tilling my land, at best a laborious business, my sole object is clear profit-I have tried all the systems I have heard of, and can only say, that the one l follow is the one which most improves my land, and yields me the greatest nett income from la bour and capital! This was a kind of urgumentum Vol. 6.-25.

OBSERVATIONS OF A CORRESPONDENT, Jad argentum, that none of us could parry-it entered at the pocket nerve, and like friend Griseom's Premium Farm-its management and produce, galvanie battery, reanimated and put in motion a system of farming, which it was supposed had been as an old criminal, tried, condemned, and executed, beyond the power of resuscitation.

His whole farm, as I understood, now consists of 250 acres of arable land; whereof a considerable portion, of course, is in pasture, and 100 acres of wood. He was reaping his principal crops when we were there, and judging from appearances, compared with past years, he calculates on gathering 150 tons of hay, 2,000 bushels of potatoes, 5,000 bushels of grain of all sorts, and 10,000 weight of pork.

As late as the year 1812, the average erops of this farm were:

30 bushels per aere Of Indian Corn, Wheat, do. Barley, 20 do. do. Oats, do. do. 11 tons per acre. Hay,

The following account of his management, the progress of improvement, and increase of crops from that time to the year 1821 inclusive, is confined to one of his lots of eight acres, and may be received as a fair specimen of the whole farm.-It was furnished to my hand by Dr. STEELE, a gentleman of excellent judgment, and various, and valuable acquirements, whose society and skill contribute most essentially to the pleasure and the safety of visiters at this place:-

A. D. 1812.

Early in September, the sod was turned over with the plough, to the depth of about three inches, and then well rolled, at the expense of \$2.25 per acre, which, S18 00 for 8 acres, is Barn yard manure, 5 loads, and leached ashes, 3 loads, worth 75 cents per load, \$6 per acre, amounts to This was spread equally over the surface, immediately after rolling, and then lightly ploughed with a one horse plough, so as not to disturb the sod, but just to scratch the surface. Expense \$1 per acre, 1813. Ploughed again light. Expense

\$1 per aere, Sowed with barley, 2½ bushels per acre, worth 75 cents per bushel. Seed cost Harrowed with a light harrow. Expense 37 1 cents per acre. Reaping, cartage, threshing, &c. Expense \$6 621 per acre,

Total expense of the erop, \$153 Produce, 50 bushels to the aere, 400 bushels, worth 75 eents per bushel, amount Nett profit of the crop,

In the fall, ploughed up the stubble, three inches deep, and rolled at the expense of \$1 75 per

1814. Harrowed and ridged, cost \$1 50 Planted with Indian corn, 2 feet 7 inches apart, cost \$2 per aere, including seed, Ploughing both ways one furrow

in a row, without disturbing the

sod, and hoeing, east \$2 per aere, Plaster, \$1 per aere, Ploughing, hocing 2d time and suckering, \$2 per acre, Harvesting, threshing putting up the crop, &c. \$4 per acre, Total expense of the whole erop \$114 Crop, 80 bushels per acre, 640 bushels, worth 75 ets. per bush-Nett profit of erop. \$366 1815. Split the hills and harrowedcost 30 50 per acre, Cross-ploughed and harrowed, \$1 per aere, Sowed 12 bushels wheat, worth \$1 per bushe', Sowed at the same time, 5lbs. red elover seed, and 2 quarts timothy per aere-cost \$1, Labour of sowing, harrowing in seed, &c. \$1 per acre, Harvesting, earting, thrashing, &c. \$4 per aere, Total expense of crop, Crop, 24 bushels per aere-192 bushels-worth \$1,25 per bush-168

Nett profit of erop, 1816. Mowing, euring, cartage, &c. of grass—worth \$7 per aere,

Total expense of crop, 56 Crop 3 tons per aere-24 tonsworth §7 per ton, 168 Fall feed-worth \$2 per acre, 16 184

Nett profit, 1817. Expense of mowing, curing, &c. this year, \$4 per acre,

Total expense of crop, 32 Crop, 2½ tons per acre—20 tons worth \$7 per ton. 140 Fall feed, \$1 50 per acre, 12 152

Nett profit,

1818. Pasture, without any expenseproduce equal to 31 tons per aere-20 tons-worth 2 50 per

ton, Nett profit, In the fall turned over the sod and rolled-expense, 2,25 per acre, 18 Barn-yard manure, six loads per acre, \$3,

Spread over and ploughed in as before, without disturbing the sod, \$1 per acre, Ploughed with a light plough on top of the sod, \$1 per acre,

8147

Sowed with 21 bushels barley, worth 621 cents per bushel, Sowing and harrowing in seeds, 50 cents, Harvesting, thrashing, &c. 6 621

53 per acre,

Total expense of crop, 127 50 Crop, 56 bushels to the acre-

	THE RESERVE OF THE PARTY OF THE
448 bushels—worth fifty cents per bushel, 224	06.50
Nett profit, In fall ploughed three inches and	96 50
rolled as before, with same ex- pense, 18	
1820. Planted with Indian corn, with	
the same expense, and in the	
same way,	
Total expense, 118 Crop, 90 bushels to the acre—720	
bushels—worth 44 cents per bushel, 316 80	
Nett profit,	198 80
Hills split and harrowed down, 12	
Sowed with barley, 10 Expense of sowing, 3	
Grass seed, 8	
Expense of harvesting, thrashing, &c. 53	
Total expense of crop, 86	
Crop, 60 bushels per acre—480 bushels—worth fifty cents per	
bushel, 240 Nett profit,	154
Tital amount of muchs for sight years	

Total amount of profit for eight years culture,

Deduct the amount of interest on 8 acres, worth \$100 per acre, for 8 years, which is

3 acres of oats,

Which leaves a clear profit for 8 years \$1030 30 culture, of

448

0	do.	indian corn,	112	uo.	090
10	do.	do.	90	do.	900
4	do.	spring wheat,	, 34	do.	136
6		barley,		do.	360
_		• • • •			
31	acres p	produced tota	l amount	of bushels	, 2472
1	acre of	f flax,	(600lbs. per	acre.
8	acres o	clover and tin	nothy, 4!	tons per a	
8	do.	do.	4	do.	32
4	do.	do.	3	do.	12
4	do.	do.	34	do.	14
3	do.	do.	3	do.	9
10	do.	pasture,	3	do.	30
10	do.	do.	2	do.	20

47 acres produced total number of tons,

variety of vegetables, and 400 chickens.

light manuring, yields such heavy crops—an analysis of its general character gives the following re-

*: 	
Water,	9.5
Animal and vegetable matter,	12.5
Clay,	17.5
Siliceous sand,	54
Carbonate of lime,	3
Soluble salts,	1
Oxide of iron,	1
	98 5

Permit me now to close this long letter by a

Mr. Stimson's farm leaves no necessity for further | Wednesday, the 21st ult. to address the public on observation on that head; what is chiefly wor- the subject of Col. Clarke's plan for ascending thy of notice is, that he never has recourse to rapids in rivers, and the improvement of the Nanaked fullows; but keeps his lands almost con- vigation of the river Delaware, respectfully restantly covered with crops. His general system quest attention to the following facts, of vital ims to sow clover and timothy; the first disappears portance to the welfare of our city. after the second year, and instead of going on, as we do in Maryland, to cut, cut, cut, year after and ramifications, and from the fertility and prosyear, for eight or ten years, as long as we can get perous state of the country intersected by it and a ton of hay, and sometimes less per acre; he its tributary streams, clearly claims a rank among scarcely ever mows his land more than three, and the most important of the secondary class of never more than four years; and whenever it does American rivers. From the facilities which its not give him at the least 25 tons per acre, he navigation affords, as high as tide water, Philaturns in his cattle, pastures it down, then turns delphia derives its chief prosperity and greatness. over the sod three inches deep-rolls it to make But from the termination of tide water upwards, the furrows lie close, so as to promote rapid deturned the benefits to our city, of the intercourse with composition of the vegetable matter-spreads his the circumjacent country, are at present exceedmannire five ox (not less than ten Maryland) loads ingly limited and unimportadt. It deserves, to the acre, and as soon as possible after the however, the most serious consideration, and ploughing and spreading the manure, he sows his ought to stimulate us to adequate exertions to grain. It is thus, said he, by never letting my improve the navigation beyond Trenton, that

plow, being an improvement of his own sugges-report, that the impediments are comparatively tion on that implement. I have spoken to him to lew, and by no means difficult to be surmounted. send one to Baltimore, which you may exhibit at It is to be regretted that such a favourable and your next Cattle Show. There is in its form flattering report has hitherto been insufficient to something more of the wedge principle, apparent-excite our citizens to avail themselves of the adly, than is usual, which makes it of easier draft; vantages which nature has so bountifully placed and light as the land may be, there must be a pe- within their grasp-and it is hoped that we wil culiar lightness of draft, in plough which requires at length arouse ourselves from our lethargy, \$1478 30 chilar rightness of drait, in profish but one horse to turn over timothy sward.

Galway is 37 miles from tide water at Albany, nitude of the object in view. to which place he formerly wagoned his produce; The trade of that distret of country is at pre-the cost of transportation is diminished one half sent very considerable, and is rapidly increasing. by means of the canal, which at Alexandis bridge, it now centers almost exclusively in the city of is distant 15 miles from Galway. Mr. Stimson is New York. Some idea of its great extent may a native of Massachusetts, came to Galway with be formed from the ascertained fact, that the During the past summer, 1821, this enterprising no capital, but a sound understanding and a reso-produce conveyed to that city from the single farmer has had the following produce from the lute heart. He has now two stores, keeps a ta-county of Sussex, in New Jersey, situated on the culture of 80 acres, which had been previously vern, &c. and has grown rich by close adherence to the Spanish proverb—"Go not to your doctor tons. To facilitate the trade of this section of 60 bushels per acre, 180 for every ail; nor to your lawyer for every quar-112 do. 896 rel; nor to your bottle for every thirst!" Farm-190 do. 900 ing has hitherto been to him an amusement, rath-190 Hudson, and plans of canals for the same purer than a primary object. He begins now to see pose, have been projected, and are now in serious how much good may be done by the influence of a contemplation. Such are the advantages afford-good example; and having enriched his land, he ed to New-York by those roads, that even the intends to stock it with domestic animals of the returns of the small portion of the produce of the best breeds, and to beautify it with plantations of country beyond Trenton which are wafted to our fruit and ornamental trees, &c. &c. I must close city, by the occasional floods in the river Delathis crude sketch with a single remark, that all ware, generally pass to New-York. who visit this premium farm, and note the conversation and habits of its owner, will be forcibly ed, the Muscontoung, Pawling's Kill, Navesink, impressed with the truth of the adage-" The and several other streams extending into imporfout of the owner is the best manure for his tant districts of country, some abounding in rich land." I intended to have said something of the mineral ores, and others in the most valuable component parts and medicinal qualities of these agricultural productions, would soon be rendered famous waters, but the bell rings, and that I may navigable, and contribute very large supplies of not be singular, and yet more, that I may pass mustrals for our manufactories, as well as 1 acre kitchen garden, which produced a great ter with my wife, who reviews me most critical-important additions of our staples to the exports variety of vegetables, and 400 chickens.

The reader will naturally wish to know the naturally ture of the soil which, with shallow plowing and least three times a day-So, adieu for the present. passed for removing the obstructions to the navi-

> P. S .- I must add that as to labourers, Mr. yet he had, when we were there, thirty hands others, as soon as the citizens located adjacent to cutting grain, grass, &c. How eminent the adthem, can avail themselves fully of the navigavantage when you can thus hire labourers to meet, tion of the river Delaware, into which they deexactly, the demand on your farms, and having bouch. accomplished your purpose, discharge them, and free yourself from further expense?

Internal Improvement.

The river Delaware from its magnitude, extent,

land get two low, thus I keep up its strength and fertility.

His plows resemble, very nearly, the Scotch nor Mifflin, to survey the river, stated in their and make exertions commensurate with the mag-

The trade of that distrct of country is at pre-

Should the navigation of this river be improvgation of some of those streams, in connexion with their contemplated canals: and no doubt Stimson's regular number does not exceed six—similar acts will be passed for clearing the

> The extension of safe and easy intercourse with the coal mines is a measure imperiously required by a regard for the best interests of this community, as they afford a grand source of wealth scarcely exceeded in any part of the globe,

ADDRESS TO THE PUBLIC. The expense of improving the navigation of The subscribers, a committee appointed by a the Delaware on Col. Clarke's plan, compared few general remarks: The analysis of the soil of meeting of citizens, held at Heiskell's Hotel, on with its importance, and with the expense of

be to the last degree inconsiderable. This plan continues under water almost as easily as the ascend the river in the steam boats, and to atbe to the last degree inconsiderable. This plan beats, and to atlet the observed, embraces the construction of side cets and locks of the most approved kind, should there be any situations in which the tow boats cannot be advantageously employed, and also contemplates the navigation of steam boats of an easy draft. The latter measure must be first and provided in the crease would have multiplied the species to the Hanoverian Rat. But whatever resemblance of steam boats are the river in the steam boats, and to atleave, and quickly exterminates the frogs in tempt the conquest of the upper country. This such portion are such points as easily as the lastern measure must be advantageously employed, and also contemplates the navigation of steam boats of an easy draft. The latter measure must be likely beginning the provided the steam boats are the frogs in tempt the conquest of the upper country. This such portion are the frogs in tempt the conquest of the upper country. This such portion are the frogs in tempt the conquest of the upper country. This such portion are the frogs in tempt the conquest of the upper country. This such portion are the frogs in tempt the conquest of the upper country. This such portion are the frogs in tempt the conquest of the upper country. This such portion are the frogs in tempt the conquest of the upper country. This such portion are the frogs in tempt the conquest of the upper country. This such portion are the frogs in tempt the conquest of the upper country. This such portion are the frogs in tempt the conquest of the upper country. This such portion are the frogs in tempt the conquest of the upper country. This such portion are the frogs in tempt the conquest of the upper country. This such portion are the frogs in tempt the conquest of the upper country. This such portion are the frogs in tempt the conquest of the upper country. The tempt the conquest of the upper country. highly beneficial to the stockholders and to the community at large.

presence of a number of respectable citizens, and has received the approbation of two of the most distinguished engineers of our country.

To the above let us add that the whole of the favour of its practicability.

With these views of this important subject, tizens will not only approve of the course they have pursued, but aid in affording the plan a further trial, in order to establish its practicability, ther trial, in order to establish its practicability, towns they are even more numerous than upon pursue, the whole race was soon extinguished; and before application is made to the legislature for an act of incorporation. Let it be borne in mind, upon the subject, Castles and Forts in the north of the native vernin of our own country, that all that is necessary for this object, and for making a complete survey of the river, is about five hundred dollars to be raised in subscriptions of ten dollars each subscriber. The whole expression into a norther, when once they have cessors having the same inclination for mischief pense of clearing the navigation as far as Easton, gained admission into a house. They are unable and greater powers. is not expected to exceed 50 or 60,000 dollars, however, to penetrate a stone wall, and persons and from thence to Carpenter's Point, about 80 engaged in building may exclude them by laying er species of rats, and was rewarded for the time miles, 120,000 dollars. Perhaps there has scarce-the foundation of the outer walls three feet low- and trouble of conquest, by feasting upon the

nagement, we have no doubt it will, the stock and feed principally upon fish and frogs, have cannot fail to be highly profitable—but the profit larger heads, broader noses, shorter ears, smaller dent a huntress to be at the pains of combatting on the stock, whatever it may be, is a trivial object, and shorter legs, than those which dwell in with an enemy where glory is the only reward of ject, compared with the numerous and important the upland, and subsist upon corn and flesh. advantages it will insure to the capital of the state, and to all the citizens whose local situa- fon, the Surmalot) is in length about nine inches, tions adjacent to the Delaware and its tributary its eyes large and black, and the colour of the It has taken possession of all the stack yards

> MATHEW CAREY, CHANDLER PRICE, WILLIAM DUNCAN, ISAIAH LUKENS. BENJAMIN TILGHMAN.

Philadelphia, August 28, 1824.

Natural History.

RATS-RATS-RATS.

Nashville, (Tennessee) Aug. 27th, 1824.

Two varieties of this troublesome and destructive race are found principally to infest the ter-ritory of the United States. The small black rat, which is eight inches more. The belly is of an ash colour, and the back of an iron grey, border-ing upon black. It has short ears, small bright ing upon black. It has short ears, small bright eyes, long whiskers, and a sharp nose—and its olfactory powers are probably equal to those of any other animal, unless it be the dog It inhahave achieved the conquest of all the intermediture to fourteen inches long. It is therefore bits indifferently the uplands or the lowlands, the ate country from the Atlantic to these towns. In stronger, and better able to cope with the enemy, burrows in the banks of rivers, ponds and ditch es, and in the open fields. It subsists and fferently upon the flesh of such animals as it can

burrows, resembling towns and cities in the num-ber of inhabitants. Their burrows communicate rat, (which was a native there as well as here,) the committe feel confident that their fellow ci- with each other by covered ways, and have nu- was of short continuance. As the latter was ly ever occurred a case in which so much solid er than the cellar floors.—The form of the aniadvanage was attainable on such easy terms.

Should this plan succeed, as by proper maing.—Those which inhabit the banks of rivers,
fend itself, is so coarse and unpalateable that the

streams will enable them to profit by a removal head and upper part of the body of a light brown and corn cribs within ten miles of the town, conof the obstructions to the navigation of that river. or ash-colour. The end of the nose, the throat sumes large quantities of grain, and damages and belly, are of a dirty white, inclining to grey; more than it consumes. It sometimes invades the legs more sparingly covered with hair than the poultry yards, sucks the eggs, and commits those of the black rat, and of a dirty white, the more havock among the chickens than the Mink tail as long as the body, and covered with minute or Fox. And the cracks and fissures which abound dusky scales, mixed with a few hairs. It differs in a limestone country, afford retreats inaccessifrom the black rat in being larger, more fierce, ble to all assailants but the Weasel. This little and stronger as well of a lighter colour. It re-sembles the beaver also, more nearly in its habits and instincts, as well as in its capacity for travelling mation enable it easily to do. "In strength, the by water. They have been known to cross rivers weasel and rat are nearly equal, but their weaby swimming, and to emigrate from one neigh-pons are different. The rat, furnished with four bourhood to another in considerable numbers.

Cumberland valley long enough to have acquired nuing also to suck the blood at the same time, weak-a knowledge of its local peculiaities. Thousands ens its antagonist, and always obtains the victory and always obtain the victory and always obtains the victory and vic of them are annually drowned in their holes by ry." But the weasel is a wild animal and cannot tact the vanguard of the grand army has scarcely and is still small enough to pursue him in his surmounted the Blue Ridge, and its arrival is narrowest retreats. It resembles the ermine and unknown in many parts of the Shenandoah Val the weasel, in having a soft and beautiful fur, in conquer, upon fish, insects, corn, wheat, or escu-waters, are detachments from New-Orleans,

carrying any other mode into operation, would lent fruits and vegetables. It swims, dives, and whom the spirit of adventure has stimulated to ghly beneficial to the stockholders and to the exclusion of smaller animals, were it not for there may have been between them and the munnity at large.

The proposed plan has had a fair trial, in the other food is not readily to be procured. The comparative scarcity of food in forest lands, op-quit both Norway and Hanover of the imputa-pose another barrier to their multiplication. In tion. We learn from other writers† upon the cultivated districts, they are found to increase subject, that they have been long known in the with amazing rapidity. The abundance of food, and Levant and upon other parts of the Mediterrane-To the above let us add that the whole of the details of the plan have been recently submitted the shelter afforded to their burrows by the corn to Judge Wright, one of the principal engineers cribs and stack yards, enable them to provide of the Hudson and Eric Canal, and at present liberally for their young ones, at the same time engineer of the Delaware and Chesapeake Cathat it removes the temptation to domestic carnal, who has pronounced an explicit opinion in mage. In such situations they form extensive ted States the speedy importation of a similar form.

the large ash-coloured rat (called by Mr. Buf-indisposition to service on the part of our old long tusks, rather snaps than bites; but the They have not however been domesticated in the weasel, where it once fastens, holds, and continu-

territory by right of conquest. They are also to public through the medium of the Farmer. It be found in Nashville, Louisville, and Cincinnati, is the Genet, or Cat, of Constantinople. This but we are not therefore to suppose that they animal is twice as large as the weasel, being from have achieved the conquest of all the intermeditivelye to fourteen inches long. It is therefore

> * Goldsmith. † Acerbi. # Coxe.

sheathed, and in its appetite for petty carnage.

It is spotted with black upon a ground mixed and forming black stripes which run longitudi nal-

ly from the neck backwards.

The Genet like the Ermine and the Civet, has glands that secrete a kind of periume. It differs from them, however, in one respect, and that is Indians. in being easily tamed. Bellonius assures us that he has seen them in Constantinuple as tame as cats; and that they were permitted to run every where about without doing the least mischief. For this reason they are called the cats of Constantinople, although they have nothing else in common with that animal, except their skill in spying out and destroying vermin. From such as have seen its uses at Constantinople, (conti-of 20 years. In France this tree is traced to the nues Goldsmith, from whom I have copied the age of 560 years. description) I learn that it is one of the most beautiful, cleanly, and industrious animals in the world-that it keeps whatever house it is in perfectly free from mice and rats. Add to this that its nature is mild and gentle, its colours various and glossy, and its fur valuable: and upon the whole it seems to be one of those animals, that with proper care might be propagated amongst us, and might become one of the most serviceable of our domestics." Do not opportunities sometimes occur with persons engaged in the Smyrna trade, or to the naval officers on the Mediterranean station, to visit Constantinople? If they do, and several couples of this species of animals could be procured and brought over, an essential service would be rendered to all the cities on the maritime frontier; and the Southern and Western country might be speedily supplied from them.

If the neighbourhood of Constantinople be the native country of the Rat, as well as of the Genet, they are probably ancient enemies, and if the former has wandered away over the world in quest of adventures, it is proper that the latter should wander after it .- And there is a peculiar fitness in seeking and importing the remedy from the same country that produced the disease.
RUSTICUS JUNIOR.

N. B. The subject of the foregoing communication, is of such general interest, that it will probably need no apology-or, it may be sufficient to say, that all the ordinary expedients for destroying such vermin have failed.—Traps, arsenic, and nux vomica may succeed two or three times, but no more. The rats discover and avoid them .- I have another communication to make respecting the cross between the native Buffaloc, and the English Black Cattle, but defer it to a more convenient season, under the assurance that the above will be enough for the present.

With much respect, I remain,

your obed't serv't, and sincere friend, JOHN S. SKINNER, Esq. Baltimore, Md.

FROM THE EAST FLORIDA HERALD-July 24.

The following Report was presented to the Agricultural Society by Mr. Mitchel, from the committee, on the subject to which it relates, at its meeting on the 17th instant, and ordered to be printed.

To the Agricultural Society of East Florida, on the Cultivation of the Orange Tree.

The Committee charged with the duty of reporting on the cultivation of the Orange Tree, submit the following observations.

From the effects of the severe frost of Februa-St. Andrew's Sound in Georgia, to the entrance diseased limbs.

having its feet armed with claws that cannot be of the river Apalachicola, would mark the northern limits of the Orange region, and in every part of Florida south of this demarcation, the Orange tree meets with a congenial climate. Its cultivawith red and grey, the spots distinct and sepa-tree meets with a congenial climate. Its cultiva-rate upon the sides, but uniting towards the back, cinity of St. Augustine and St. Johns, although foliage, with the view of promoting a vigorous there are extensive groves of native sour and bittersweet orange trees throughout all that por-

There is an obscurity in the annals of the Territory, which has prevented us from tracing the sweet-orange tree to its first introduction, but many circumstances induce the belief that it has been imported from the West Indies and have not yet attained sufficient perfection to from the south of Europe. Its longevity is traced furnish data for computing their produce in the to 116 years in this territory, and trees of this

The sweet orange tree is of easy propagation from the seed, as most of the seeds are prolific: they should be sown from one to two inches under the surface of the ground, and in rows sufficient ly separated to leave room for hoeing; after twelve months the young trees may be trans-planted at pleasure. At this age their growth is from six to twenty-four inches. We have meas- tive as the sweet orange tree. ured one in St. Augustine of a growth of twenty and breadth 30.

The orange seed should be sown as soon as may be, after the parent orange is ripe. It may be sown at any season, but the greatest enemy to the tender sprouts is the frost in February.

The operation of transplanting may be performed with safety at any season of the year, and upon trees of any age, if precaution be taken to closs of time.

avoid the hottest and driest waather, which Inconveniences have arisen from the practice usually happens in July, and the coldest weather of shipping oranges and confining them in mass ed as much as possible to young trees.

In transplanting large trees, if they be removed from a good soil to a better, they require no lopping; but if from a strong to a weaker soil, they should be trimmed and assisted by manure.

In transplanting large trees, it is economical to leave exposed the fragments of roots from whence the territory, and, like the sour orange tree, they were separated, as each radical will produce grows abundantly in the interior. This fruit is a distinct tree, and in a shorter time than from the seed.

The sweet orange tree may be propagated by engratting and inoculation upon the sour and

upon the bitter-sweet orange trees.

In setting out groves, the trees should be placed in a quincunx adjustment, and 23 feet apart; by this arrangement, each tree is in the centre of a circle of six others, and all of them equidistant from its juice having been exported. From its from each other, and groves will embrace 100 trees to the acre; this scale has been approved of near the sea board, where safety against gales of wind ought to be considered. On the St. John's and the interior, where the climate is more moist and tranquil, there is more scope for the exercise of taste, fancy or caprice, in the arrangement of groves.

The orange tree delights in rich soil, and cetric acid. when it has the advantage of this, it will bear fruit, in 6 years from the seed, and will attain its full size in about 12 or 14 years; when it is contemplated, therefore, to establish a grove in poor land, an attention to manure will save much time and labor: for in such land the tree is not only retarded in its growth from the want of nourishment, but the branches are subject to be

In rearing a grove it would be attended with benefit, if the trees were washed once in two years with sand and water, to remove whatever fungus may have gathered on the bark, and if a little attention were given to pruning the interior and extended ramification.

The orange tree rises to 36 feet in height, and tion of the territory, recently occupied by the ramifies nearly to the same extent. The largest quantity of fruit which we have yet ascertained, is 6000 oranges to one tree, on the river St. John's, and the quantity of 3,500 is of frequent occurrence both in that quarter and in the vicinity of St. Augustine. The groves of the territory gross, for in general large trees and small are blended together. In this imperfect condition, of 20 years. In France this tree is traced to the however, the product of the groves in St. Augustine may be estimated at \$500 per acre. But on whatever scale a computation may be made, whether upon 1000 oranges to the tree, or upon 5000, when it is considered that groves may be raised under circumstances requiring from the planter scarcely any abstraction from his ordinary avocations, it will be evident that with the exception of the olive, there is no plant so produc-

It is true that, against the benefits to be derived months from the seed-its height is 66 inches, from the orange tree, may be placed the length of time necessary to raise it from the seed; but, on the other hand, it ought not to be forgotten that this process requires no advance of capital. And as nurseries are now established, those planters who may be unwilling to exercise patience, will have an opportunity at a moderate expense, of setting out groves without much

Inconveniences have arisen from the practice in February; but this operation should be limit-in the holds of vessels: these might be obviated by the adoption of some cheap and convenient mode of packing them for exportation. We therefore recommend that the Society should promote inquiry, and offer a reward for the best communication on the interesting subject.

The bitter sweet orange tree is indigenous to not surpassed, if equalled, by the sweet orange; it is pleasant, wholesome, and the most nutritive of the orange tribe, and it hangs on the tree in perfect preservation for twelve months after maturity, and has been in common use among the Indians and negroes, as an article both of refresh?

ment and food.

The sour orange tree is more generally known, hardy character, it is frequently raised on the sea board, to protect groves against gales of wind. And, in concluding this report, we would merely mention that the sour orange tree may be applied to other important uses, the one for the purpose of engrafting sweet oranges, the other for preparing the orange peel for confectionary; and, lastly, for applying the juice to the fabrication of G. W. PERPALL. W. SMITH.

P. MITCHEL.

FROM THE NEW-ENGLAND FARMER.

THE OAK-PRUNER.

Sir,-A few days since I accompanied the Hon, blighted by the sun in July, and by the frost in Judge Lincoln to view the ravages of a worm in February. In good land the orange tree grows the extreme branches of the white and black oak with vigor and symmetry, in inferior land it is trees left for shade on his farm Limbs from half ry, 1823, it would seem that a line drawn from liable to deformity from suckers and blasted and an inch to an inch and a half in diameter were severed from the trees, and cut as smooth and as examining the fallen branches, near the part se- but the purpose was attained. The vessel was indicated that the nit was deposited in or near the branches had remained abroad. soft end at the top; from whence, in its progress; "The insect belongs to a tribe composed of a succulent twig into a harder substance.

tion of borers.

Respectfully yours, &c. O. FISKE.

Worcester, Aug. 10, 1824.

REMARKS BY THE EDITOR .- The insect above described has formerly excited the attention of some of the most scientific cultivators in this vicinity. In the Massachusetts Agricultural Repository for January, 1819, vol. v. No. 3, page 308, is a paper communicated by that eminent naturalist, Professor W. D. Peck, which we believe contains the substance of what is known respecting this Wood Cutter, or Oak-Pruner. The following is an extract from the communication alluded to:--

"For several years past the ground beneath the black and white oaks, has been observed to be strewed with small branches of those trees from eighteen inches to two feet in length. Mr. Sulli- the loss of leaves at this season must diminish the to them such communications as they think will van assures me that he has found them five feet in length, and one inch in diameter. The falling of these branches is occasioned by the larva or of the branches with the larva in them enables grub of an insect, which when its feeding or larva us, though we cannot destroy the species to check state is nearly completed, cats away the wood in its ravages in some degree. The branches should a circular direction, leaving only the bark entire; he collected from the time they begin, till they this is broken by the first strong breeze, and the ccase to fall, and carefully burnt." branch with the larva in it falls to the ground .-From this effect of its labours, it may be called

branches of oaks, which contained larvæ. Five of these I brought home, reduced them to four or five inches in length, and in order to determine whether the larvæ descended into the earth, threw them into a vessel nearly filled with light garden mould, covering the vessel with a piece of window glass, both to prevent the escape of the perfect insects, if any should be disclosed, and to retard

the dryings of the mould.

"I imagined that as the larva is enclosed in the fallen branch with a sufficient supply of nutriment to carry it through the feeding state, that it was intended it should enter the earth when that state was passed, and that it was impelled by instinct to cut off the branch, that it might be brought in safety to the ground before it was quite ready to quit the wood; but my conjecture was erroneous; there must be some other reason for this process.

"A degree of humidity is necessary to favour the developement of the parts of the perfect insect while it is in the nympha state; in the body and larger branches of trees the moisture is sufficient for this purpose; but in these small bran ches, which are killed, the moisture would be exhaled by the action of the sun and wind if they remained on the tree, whereas by their falling and being thus placed nearly or quite in contact with

regular as could be done by a fine saw. Upon ed branches were treated as above-mentioned; vered, the worm was discovered in a lively, ac-kept in a warm room, the wood was kept moist, tive state. On every limb a small shoot was no- and one perfect insect made its appearance in Noticed, perforated from its extremity to the main vember, another in December; but I believe they branch. This appeared of recent growth, and would not have been disclosed till spring, if the for viewing the farms for the management of

to maturity, it eat its way through this soft and number of genera called capricorn-heetles and succulent twig into a harder substance.

Wood-eaters. The genus of which it is an unde-Previous to this examination, I took up a limb scribed species, is named by Fabricius, stenocorus, from under a pear tree, which I supposed had Linnaus would have called it cerambyx. It is of been separated with a saw. On my return I ex- a dull brown colour, a little brighter on the under amined it, and found it had been cut by the same side, every where dotted with impressed points, and sprinkled with short whitish hairs which lie other farms in the county, where they think use-I have sent you; enclosed in their habitations, close to the surface; these give it a grayish hue ful information may be obtained on the subject several of this voracious tribe, that you may as under the magnifier. The antenna are about as of agriculture, to make notes of such improvecertain whether they are the same which infest long as the whole insect, tapering a little from the ments as may come within their observation, and trees in your neighborhood, under the appella-base to the point, and have ten joints, of which the second and third terminate in a small spine. meeting, which will be on Tuesday, the 19th The thorax is even without any prominences; and day of October next, at Topsfield. In pursuance the elytra or wing cases have each two points at of these instructions the Committee propose to the apex. Individual insects differ considerably visit the several towns in the county in Septemin magnitude, from four and a half to six-tenths ber next, commencing at Newbury on the 1st of an inch in length. Their form is slender; the day of the month. They will be pleased to call largest is only 12-100 of an inch in breadth at the on all those who may manifest a willingness to base of the elytra. It may be called stenocorus receive their visit, and whatever improvements (putator) obscur-brunneus, albidopilosus; thorace they may witness, will be particularly recominermi; elytris bidentatis; antennis longitudine mended to the attention of the Society. Gentle-

> "This insect is probably diffused over a large portion of the United States from Maine to Geor-they may understand how much duty they may

> paring the descending sap, and the greatest part in the county are respectfully requested to aid of the wood is formed after the summer solstice, the Committee in their inquiries, by forwarding

the Oak-Pruner.

"At the meeting of the Board of Trustees at the seat of Gotham Parsons, Esq. on the 23d of feeding, however, are very different. The borer have agreed that if two or more stables of South-July last, the Hon. Mr. Sullivan produced several attacks the body of the tree, and rarely if ever ern Horses come on to contend for the purses, perforates or makes a lodgment in a limb, but the they will be increased as follows:-The first oak-pruner confines itself to the small branches, day's purse \$1000; the second day's purse, and has never, so far as we can learn, been dis-\$500; and the third, \$300. covered in the trunk or larger limbs. The borer feeds on the alburnum or sap wood of the trees, mence on the 12th October, and continue four which it infests, but the oak-pruner devours the days. pith and heart wood of the small limbs. The oak. pruner attacks the tallest trees, and its work of heats, \$300 entrance, half forfeit. lestruction is carried on above our reach, and almost without the sphere of our observation. It three mile heats, entrance \$15. is only when its labours are finished, and the mis- Third Day—The Jockey Club Purse, \$500 chievous part of its vocation accomplished that four mile heats, \$20 entrance.
it condescends to quit its lofty habitation, and subthe philosopher, or cultivator. The borer on the added, three or more entries to make a race. contrary, while engaged in its mischievous occupation is at hand, and may be destroyed without Lifficulty

We believe, however, that the oak-pruner never entirely destroys the oak he feeds on, while the labours of the borer frequently end in the en-tire destruction of the apple tree. The remedy against the former suggested by Professor Peck, viz. gathering and burning the branches will certainly I seen their numbers, and is probably the commence, put the place in elegant order. the moist earth, their humidity is preserved. It wood lots, &c. we should suppose its application which it was originally established—every exerwas not precisely with this view that the preparto be easy, and think it should not be neglected. tion shall be made to restore this high-minded,

From the Salem Gazette.

NOTICE TO FARMERS. At a late meeting of the Board of Trustees of the Essex Agricultural Society, the Committee which premiums are claimed, consisting of

TEMPLE CUTLER, Esq. of Hamilton. Dr. BENJAMIN PARKEK, of Bradford, Mr. AARON PERLEY, of Boxford,

Col. DANIEL ADAMS, of Newbury.
Col. NATH'L FELTON, of Danvers, and
JOHN W. PROCTOR, Esq. of Danvers,
were instructed 'to extend their examination to to report the same to the society at their next corporis, articulis two do and three tio spinula men who are willing that the Committee should terminatis. some one of the members of the Committee, that gia, wherever the oaks which it prefers are found. have to attend to, and make suitable arrange-"As the leaves are in full vigour in July, pre-ments for the performance of it. The farmers

For the Committee,
JOHN W. PROCTOR, Sec'y. Danvers, July 8th, 1824.

The races over the Sporting Intelligence. ase to fall, and carefully burnt."

Union Course, at Jamaiea, L. I. will take place
This insect in its grub or larva state, bears a
on the 4th of October, and continue for three pretty near resemblance to the apple tree borer, days in succession .- Purses-First day, 4 mile

First Day-A produce Sweepstakes, two mile

Second Day-The Proprietors Purse, \$300,

mit itself to the observation and experiments of lued at \$100, two mile heats, \$25 entrance to be

On the evening of the first day's race, an elegant Saddle and Bridle, Martingale and Whip will be hung up free for any untried saddle nag, one mile heats, entrance, \$10.

The rules of the Cluo, requiring all dogs to he killed which appear on the course, will be

rigidly enforced.

The subscriber has taken possession of New Market as Proprietor, and will, before the races only mode by which he can be attacked by hulimprovements are rapidly progressing, and are nan means. In large forests, however, this re-nearly complete.—No effort shall be spared to nedy can hardly be applied, but in small groves, render the place worthy of the noble pastime for

they called each other brothers, when there were der, a Halifax paper, of June 12.

The import of the worn no distrusts, jealousies or schisms amongst them,

A meeting of Mr. Young's friends, called for from the United States. no distrusts, jealousies or schisms amongst them,

berality and patriotism.

M rket House, when it is expected the town of it the cup—thus made visible to all present. Petersburg during the race week, will be greatly

heats, 500 dolls. entrance 20 dolls.

150 dolls, mile heats, the best three in hve.

three or more to make a race.

were unanimously adopted:

on the 28th of October next.

of a promiscuous crowd, the meeting advise no a noble and highly finished tribute to the arts.—member of the Club to invite to the dinner more The inscription is as follows: than one guest.

4. Resolved, That Theodrick Field (president of the Club,) John Minge, sen. Benj. Harrison, Robert G. Scott, P. N. Nicholas, Wm. H. Roane. Wade Mosby, sen And. Stevenson, Jacquelin B. Harvey, and Temple Gwathney, Esqrs. be appointed a committee to effect the object of the 2d Of the High Esteem and Respect they entertain

Secretary to the R. J. Club.

SILVER CUP.

Honour to whom honour is due.—A SILVER CUP of much value, and of very elegant workmanship, has been recently presented to Mr. John Young, anthor of "Letters of Agricola," by his friends in Nova Scotia. This splendid donation appears to have been intended to indicate the high sense which the donors entertain of the exertions of Mr. Young to resuscitate and redcem the Agriculture of the Province from a low and apparently hopeless state into which it had fallen, before the writings and exertions of that gentleman, awa kened the energies of the inhabitants and kindled the zeal for agricultural improvement, which has caused a trifling improvement of about 1-8 per lb. on low priced Uplands and Alabamas, almost literally said to have caused the "wilders almost literally said to have caused the "wilders timated to have been taken on expeculation."

STATE OF THE MARKETS.

(S73 55,) or six shillings and seven per day. "And yet," says Mr. C., "I have not tried to be saving. I have lived very well; always put up at the best inns; eat and drank as others did: 1-8 per lb. on low priced Uplands and Alabamas, About 2000 bales of Upland and Alabama are estated to have been rather liberal than otherwise to serate the same taken on expeculation. Compared to the country of the province from a low and apparently said to save satisfies, was 16.2. 193. (S73 55,) or six shillings and seven per day. "And yet," says Mr. C., "I have not tried to be saving. I have lived very well; always put up at the best inns; eat and drank as others did: 1-8 per lb. on low priced Uplands and Alabamas, and have a horse full as fat as when I land the same tried to be saving. I have lived very well; always put up at the best inns; eat and drank as others did: 1-8 per lb. on low priced Uplands and Alabamas, and have been rather liberal than otherwise to ser-

and estimation in which it was held by our fa-count of the proceedings on that occasion we have stained 8d to 11d; Upland 73d to 9d; N. Orleans thers during the good times of Virginia, when extracted and abridged from the Acadian Recor- 8d, to 11d.; Tennessee and Alabama 71d, to 9d.-

when they only rivalled each other in honour, li- the purpose of presenting him with this cup, assembled on Monday last in the Exchange Coffee rel, sweet 21 a 23; sour 18 a 20.

Convenient stations for Ladies' carriages shall

House at 12 o'clock. The large room was pre
Price of Hops—In be provided, and their time rendered as pleasant pared for the accommodation of the subscribers as possibile. N. and T. Blick, Esqrs. have been and for the display of this very elegant piece of Kent appointed Stewards for the Course, to preserve plate. At the upper end was stationed a square Sussex order in the Track. I have also made arrange- table covered to the floor, with moreen; upon Essex ments with Mr. Niblo for furnishing the New which stood another of inferior size, bearing on

It is a tripod, fashioned in the form of a Scotch enly ened by visitors from the country, assembled thistle and is about 14 inches high. The feet are Cotton Wool.—The following are the sales of for he purpose of organizing a Military Corps to composed of three distinct leaves issuing from last week:—500 Bengals, 5½d. to 6d. per lb. in gr. t at Yorktown our venerable guest La Fathestem, and bent upwards towards the extremi bond; 50 Madras, 6½ to 65 8; 200 Pernams, 10¾ yette.

THEO FIELD, Proprietor.

The feet are Cotton Wool.—The following are the sales of bond; 50 Madras, 6½ to 65 8; 200 Pernams, 10¾ yette.

THEO FIELD, Proprietor.

The feet are Cotton Wool.—The following are the sales of the purpose of organizing a Military Corps to composed of three distinct leaves issuing from last week:—500 Bengals, 5½d. to 6d. per lb. in gr. t at Yorktown Factor (Vicinity) and the sales of the natural plant.— to 11d; 65 Berbice, 11d duty free; 68 Carriacon, Nottoway Races, (Vir.) commences on the 21st The silver here is artially wrought, not to have a 10 7 8 to 10d. of October, and continue four days.

First Day—The Proprietor's Purse, two mile silky softness which is the effect of the fine down that nature sprinkled on the surface. The edges every description of grain, and the continuance of heats, 250 dols. entrance 15 dols. that nature sprinkled on the surface. The edges every description of grain, and the continuance of Second Day—The Jockey Club Purse, 4 mile of the leaves are slightly tinged with gold and in fine weather has produced a complete stagnation a different style of work, of which nothing but in trade. Third day—A Handy Cap Purse, worth about technical terms could convey any proper idea.—
0 dolls, mile heats, the best three in hve.

The stem is made in imitation of the stalk, and Fourth Day-A Post Sweepstake for 3 years the cup itself of the flowers of the thistle. Both old colts and fillies, mile heats, entrance 100 dolls. the calix and the corolla are hollow, so that the cavity or inside is more capacious than would Richmond (Va.) Jockey Club—At a well at- seem at the first look and holds about 3 pints.—Our stock of American cottons has continued to convened at the Eagle Hotel in the city of Rich- and for beauty and taste it stands unrivalled in "Many cargoes are now expected, the arrival mond on the 2d September, after a regular public this province. Connected with two garlands of notice for that purpose, the following resolutions flowers, very richly embossed, a fancy cord apparently of virgin gold winds round the body of the 1. Resolved, That the fall meeting of the cup in festoons, and in it are fastened two rings of Richmond Jockey Club be postponed until Tues- some precious metal, which serve equally for deday the 26th of October next, when the races coration and for use. Below one of these festoons will commence and be run in the order already is the inscription, and on the obverse side is an escribed. 2. Resolved, That a committee of ten mem-arms of Nova Scotia. To the stem are attached bers of the Club be appointed to wait on General eight starks of wheat—four on each side. The face of the low prices in England, the La Fayette and his suite, when they arrive in the ears hanging in a pensile form, as of the ripect of a good crop in the United States, and of Virginia, and invite them to witness the races, and pened grain. These are of a bright yellow and an increase of Egyptian Cottons offered at low larges. who tripod is sustained on three small globes, and 2. Resolved, That the committee be authori- the interior of the cup is washed with gold. zed to invite to the races and dinner aforesaid, any This tasteful piece of workmanship was designed strangers, distinguished citizens and revolutiona- by Mr. Torbett of this town, and fabricated by ry officers and soldiers they may deem it proper Messrs. Rundell, Bridge & Rundell, of London, to invite; and to avoid the unpleasant confusion jewellers and silver smiths to his Majesty, and is

Presented BY THE FREEHOLDERS AND OTHER INHABITANTS OF THE TOWN OF HALIFAX, TO JOHN YOUNG, ESQ.

for his exertions in the advancement

of the Agriculture and general interest of the Province,

AND IN APPROBATION OF HIS DIGNIFIED CONDUCT. AT THE LATE ELECTION.

> NOVA SCOTIA, 1823.

[N. E. Farmer.

almost literally said to have caused the "wilder-ltimated to have been taken on speculation. Cur-ed him."

noble and rational amusement to the popularity ness to blossom as the rose." The following ac- rent prices of this day-Sea Island 123 to 19d, The import of the week was 4381 bales-1550

Liverpool, July 29 .- American Flour per bar-

Price of Hofts-July 23. 6£. 10 to 8 | Kent 6£. 0 to 7 | Sussex 6£. 6 to 8 | Essex 6£. 0 to 7 10 5 12 to 6 10 5 15 to 7 Farnham, fine 10 to 15£.—Seconds, 5 to £10.

[From the London Price Current, July 27.]

Extract from a letter dated Havre, August 1.

"By the annexed Statement of the Cotton

"Many cargoes are now expected, the arrival of which we fear will strike a dead blow to that staple, and decide a material decline in our present prices, which are merely nominal; the sales of the month having been very limited at 24 a 27 } for Georgia, Alabama, and Tennessee, and 27 a 32 for Louisiana.

"The manufactories of France are in a prosperous state, but not sufficiently so, however, to induce them to take up the large stock existing in

Comparative Statement of the Cotton Trade at Havre, from 1st January to 31st July, 1823-4.

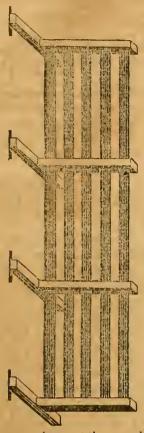
1MPORTS, S. Isl. Upt. N. O. Tl. U.S. Jan. 1 to July 21, 1823, 1912 33900 25628 61441 Do. 1824, 4389 50170 28555 83114 2527 21673 Increase in 1824 2476 16270 Sold und fowarded, Jan. 1 to July 31, 1823, 1234 32510 21700 55444 Do. 1824, 2842 40533 22662 66037 Increase in 1824, 1602 8023 962 10593 Stocks, July 31, 1823, 985 5190 7672 13847 1965 15433 8355 25753 Do. 1824, 980 10243 653 11906 Increase in 1824,

".Cobbett's (Jun.) Ride in France."-Mr. Cobbett landed in France the 9th of October, 1823. and returned to England the 28th November .-His whole expenditure, he says, for the tour which he made, including the keep of his horse, and the extra cost of some casualities, was 16£. 10s. 9 d.

>04

FOR THE AMERICAN FARMER.

IMPROVED POST AND RAIL FENCES.



more consequence, or that give more trouble to him, than his fences. Worm, and post and rail fences are the kinds generally used. To the first, there are many cogent reasons why this system should be altogether abandoned : waste of timber, the occupation of too much land, and foul ground, rail fence with this improvement, the most desi-the description which follows, that your corresrable of all dead wood fences. I have a line of it pondent is evidently in error as to the plant under

purpose.
The post and sill I have made of the same ness to the fence. This post and sill, which may it is to be built, with a view to close up the opening be compared with the letter T inverted 1, are between the sills.

ranged on the ground where the fence is to be quarters of an inch broad, attenuated more toence in this fence being the addition of the sill,my, be dressed out than the posts on the old plan, particularly where you have the advantage of a during the times of collecting the leaves; and

be inserted in the sill, viz: by a mortice, tapered building on the old plan; but certainly ought to improvement, is its decided advantage over the greater than in China. old plan for gate posts, which may in five minutes be regulated to suit the swing of the gate by raising or depressing one end of the sill; the pannel on the side of each gate post being securely braced. But I have hung my gate upon the true firinciples which is described, very accurately, in the first volume of the "American Farmer," and which I shall endeavour to have a model of this fence

their next meeting. r next meeting. I am, very respectfully, &c. J. S. WILLIAMS.

Highlands, 30th August, 1824

Lest I may not have been sufficiently explana-

TO THE EDITOR OF THE AMERICAN FARMER.

THE TEA TREE.

Sir :- I should infer from an extract of a letter My greatest fear was, that it might be liable to black; they are both perennial shruhs—the for be overturned by the tempest, or by the cattle; mer has a membranaceous leaf from four to five

* Previous to putting up the fence, I throw two length, but the latter of greater bulk to give firm | furrows together, with a plough, on the line where

built by a plumb line, each end of the sill resting wards the base than the point; it is coriaceous, on a flat stone buried nearly even with the sur- very dark green, not at all rendulated, and the on a hat stone buried hearly even what the sale tace of the ground. The space, of course, which serratures very small and even: the growth is the sill occupies to be first levelled where the guite erect, and the flowers are very numerous, ground is uneven. The rails are then placed in usually two from each axil. The Viridis has stood the posts in the usual manner; * the only differ- the climate of England, in exposed situations for thirty years-the Bohea will not stand without Upon this improvement it will be observed, that the protection of a frame or green-house in the the post being a stick of say 4½ feet long and winter season. I have both the plants now growsquare sided, can, with greater facility and econoling in pots in my garden. We learn from Keempfer, that the different sortments of tea are made saw mill. The sills may be used out of any rough these are multiplied according to the goodness of or misshapen timber, that could only be consider-ed worthy a place behind the fire. their preparation, by which the varieties of tea There are three ways in which the post may plucked before the third year's growth. In about seven years the shrub rises to a man's height, and augur, or dovetail; the last of which I adopted. producing leaves then very slowly, it is cut down The expense for erecting this fence cost me, by to the stem, which occasions an exuberance of contract, the same that is paid per pannel for fresh shoots and leaves the succeeding summer. fresh shoots and leaves the succeeding summer. Various attempts have been made to cultivate be done at a cheaper rate, as the trouble in this the plants for use in other countries, but so tediplan cannot be considered equal to that on the old. ous is the process of drying, &c. that it is not like-Another and very important acquisition to this ly to succeed, while the value of labour is so much

THE ROT IN COTTON. Ouachita, 6th Aug. 1824.

TO THE EDITOR OF THE AMERICAN FARMER.

SIR :- I have some weeks ago seen in one of your papers, a discovery, the most important for pleases me so much that I should never think of adopting any other mode. My gate posts, therefore, are, of course, secured to a perpendicular. In more interesting could have been offered to the more interesting could have been offered to the perusal of your subscribers in these Southern parts made to present to our Agricultural Society, at of the Union; but as a lover of truth I cannot help informing you, that we were, in this section of the State of Louisiana, in possession of that great secret in the manner set forth in the American Farmer, for upwards of seven years. A friend and near neighbour of mine, returned from an excur-MR. SKINNER:—Amongst the many labours, as well as expenditures, necessarily attendant on the fence which you may publish, or not, along with duties of a farmer in our State, there are none of description, as you may think proper. the best informed agriculturists and botanists in Paris; they told him, that by making a circular incision at the lowest part of the cotton plant, it might prevent it. My neighbour tried it, and even got tools made the most proper to perform the operation; it had no effect, although tried at different periods of the growth of the plant. I are the principal evils arising out of this practice: To the second, there has been but one oblimer, that a strange impression exists in the mind of the same nature, it is only by experience that jection, and that cert inly a very serious one; I, of the writer as to the plant to which he alludes of course, have allus on to its early decay where Arguing from the position, which I suppose him the post comes in contact with the earth. To remedy this evil, has been the subject of my attended this season a considerable quantity of tion, and I flatter myself with the belief that I the Hyson Tea Plant, which is nearly ready for a farmer, and having planted cotton for many a farmer, and having planted cotton for many have so far succeeded, as to make the post and shipping," my only subject will be to show from years past, I might, perhaps, without incurring the censure of persons, by far more instructed than myself in the physiology of plants, state my erected by way of experiment, and am happy to cultivation. It seems to be nearly settled within ideas on that subject; at all events the only apolosay, that as far as we are capable, as yet, of deciding on its advantages, it meets my most sanguine the tea tree cultivated—and only two—the Virimy fellow-citizens—If my view of that subject the tea tree cultivated—and only two—the Viri-dis and the Bohea, or in homespun, the green and should be found correct by experience, they are welcome to make use of them. I shall be amply rewarded by having done some good. I think but I have had opportunities to satisfy me that it inches long, and about one and a half broad, ob- that the disease of the cotton plant, called the rot, is proof against both. This improvement consists long, more attenuated towards the point than the which destroys every year more than one half of simply in converting the block, or butt of the post base, pale green, very much rendulated and the the crops of Louisiana, (although it this parish we which is planted in the ground, into a sill; or, in servatures large and irregular. The growth is suffer much less than any other part of the State) other words, of inserting the post in a sill of wood; crooked and straggling; flowers few, usually sittle Bohea has it affected by a warm and damp atmosphere, coninches in length, being generally sufficient for that a leaf generally about two inches long and three tracts a putrid acidity; the baneful effects of which are observed first on the balls or fruits, then on the leaves, and finally pervades the whole plant, and often destroys it all. If this is the cause, could there not be found some substance which would correct that ruinous effect of a viti-

ated atmosphere? Would not some alkali neutralize the cause? Ashes, or rather lime might d it. I should venture to propose, by way of experiment, to administer the remedy at several stages of the growth; some rows in a field might be tried upon in several ways and at different times-if lime, a little might be put at the foot of every stock, on others some hight be slightly thrown on the whole plant. I do not pretend to say, that I am sure of succeeding to destroy the rot by the means I have proposed; but as it requires but very little labour and hardly any expense to try it, I think it worthy the attention of cotton planters. If those means have not the desired effect, the loss of time and expense employed to make the experiment, will not deserve being much re-AN QUACIIITA FARMER.

Editorial Correspondence.

Extract dated Savannah (Geo.) 31st Aug. 1824. "We are troubled with excessive rains after a very serious drought-the combination of the two has injured most crops."

"I send you some seeds of the Missonri grass; CIETY, at their Anniversary meeting on the 31st the first parcel I sowed in moist rich ground, of August, 1824:" By David Hosack, M. D. F. where I observed, in the fall, many stalks of the L. S. summer's grawth living, long after the seed had ripened. I concluded, from this circumstance, that it possessed the properties of the fiorin grass, of growing after the seeds have ripened; but on ket by Capt. Ewins, from Port Tooncco, Charles poorer ground and in dry seasons, as this has prov- county, was sold on the 13th inst. for 95 cents. ed, it does not inherit this property in as great a degree as the herds grass, which grows very beautifully, through the whole season after the seeds PRICES OF COUNTRY PRODUCE - carefulhave ripened and shed, in rich moist places.

I think the Missouri, however, a valuable grass; it is remarkably tender and pleasant to the taste. I observed my observations of summer grafting were transferred from yours to other Journals, which shews the general novelty of the subject. I expected to have given you more light on the subject this summer, but it has been too dry for the operation till within a few days passed; a caution should have been given to summer grafters to protect tender grafts from the cold, as the unusual quantity of sap, which is forced into them late, renders them liable to be injured by frost. I lost all my grafts of English grapes, which were inserted on native stocks, and growing at the approach of frost. You may continue to expect contributions of both knowledge and seed from me, as often as I have any of use for you.

It is almost needless to repeat an assurance so often given, that I feel the liveliest interest in your public success and private happiness.'

Extract of a letter from a particular friend and correspondent, dated Annapolis, 6th Sept. 1824.

pen cider, made in New-Ark. (N. J.) out of which Lime, bushel, 30 to 33 cents. I did not lose one bottle, and I will now tell you Tobacco—Same as last representations. how I managed it :- After breakfast 1 bottled my cider (in a clear day)-I then put a table cloth over the bottles to keep the dust from getting in, and let them standuntil I had dined-1 then went to work again, and put two tea spoonfulls of French those who wish to make trial of it, that they with an insect called the "Oak Princer"—Sporting intelligence brandy in each bottle to prevent fermentation— have an opportunity of supplying themselves with then corked them with good velvet curks—after some of this valuable article by early application which I melted down some rosin and bees wax and glazed every bottle—then had them put in the cellar and covered with sand; and I think it has ordered a quantity of this wheat from Albarrand covered with sand; and I think it has ordered a quantity of this wheat from Albarrand covered with sand; and I think it has ordered a quantity of this wheat from Albarrand covered with sand; and I think it has ordered a quantity of this wheat from Albarrand covered with sand; and I think it has ordered a quantity of this wheat from Albarrand covered with sand; and I think it has ordered a quantity of this wheat from Albarrand covered with sand; and I think it has ordered a quantity of this wheat from Albarrand covered with sand; and I think it has ordered a quantity of this wheat from Albarrand covered with sand; and I think it has ordered a quantity of this wheat from Albarrand covered with sand; and I think it has ordered a quantity of this wheat from Albarrand covered with sand; and I think it has ordered a quantity of this wheat from Albarrand covered with sand; and I think it has ordered a quantity of this wheat from Albarrand covered with sand; and I think it has ordered a quantity of this wheat from Albarrand covered with sand; and I think it has a covered with sand it has a covered with sand it has a covered with sand in the covered covered with sand provides of the covered covered with sand provides a covered with you follow this process next season, you may save ny, and from advices received it may be hourly (Geo.) August 31, and Annapolis 6th September—Editorial your bottles as well as the cider."

CHERARIES.

BALTIMORE, FRIDAY, SEPTEMBER 17, 1824.

To the Members of the Maryland Association for the improvement of the breed of Horses.

Extract of a letter from a gentleman of great respectability on the Eastern Shore of Maryland, to the Editor of the American Farmer.

"I have two very fine full well bred Horses that would not disgrace Canton Course, and if you, of ASHTON, BYRD & MOALE, at No. 97, Bowly'sor any of your careful, capable friends, who have not got any nags, will train them for Canton, I will ces to the far ners and planters, who market their lend them to you; they are in fine order to take produce at this place up; they are both aged; one has been well broke, gently rode, and is proved to be very fast; the other perhaps, a better one, a mare, is very docile, but has done no service. I want to sell them; they are very handsome."

To We have been favoured with, and have read with great pleasure, a copy of the very elegant and instructive "INAUGURAL DISCOURSE deliv-Extract dated Pottersville, (S.C.) Aug. 30, 1824. ered before the NEW-YORK HORTICULTURAL So-"I send you some seeds of the Missonri grass; CIETY, at their Anniversary meeting on the 31st

Flour, Howard St., \$5 37, wagon price—Do. This very valuable property is distant from El-Susquehannah, \$5, cargo price—Do. Wharf \$4 75 licottsville about a mile; is in the immediate Wheat, white, \$1—Do. Red, 93—Corn, white, neghbourhood of the Union and Patapsco Facto-35 cents—do. yellow,—; Rye, bushel, 40 cents—lies, and adjoins the very extensive one just erect-corn Meal, brl. \$2—Rye, per bus. 37½ cts.—Oats, ed by the Thistle company, affording at all times 19 cts. cargo price—B. E. Peas, 50—White Bessel, a ready market for grain, fruit, butter, and vegeta-100—Whiskey, 27 cts.—Apple Brandy, 35 cts—bles, at town prices. Peach do. S1.—Herrings, No. 1, \$2 25— No. 2, S2—Do. Old, No. 1, \$1 50—Ditto ditto No. 2, Dwelling, two stories high, with piazza front \$1 25—Snad, trimmed, \$6 75—Do. untrimmed, and rear; Stone Dairy, Wash house, and Smoke-stories high, with piazza front \$1 25—Snad, trimmed, \$6 75—Do. untrimmed, and rear; Stone Dairy, Wash house, and Smoke-stories high, with piazza front \$1 25—Snad, trimmed, \$6 75—Do. untrimmed, and rear; Stone Dairy, Wash house, and Smoke-stories high, with piazza front \$1 25—Snad, trimmed, \$6 75—Do. untrimmed, rough, 75 cents per bushel—fimothy, Do. out of Cow Shed, one hundred feet long, laid off into season—Hay, per ton, \$10—Flax, 10 cts.—Can-stalls, over a part of which is the corn house, 316 00—Ditto Prime, \$12—Beef, northern, mess, vant's house, &c. &c.: there are two orchards, one per bbl. \$10—cargo, No. 1, 8 a \$8 50—Do. No. 2, of apple, the other peach; the former containing 56—Butter, 7 cts. a 14 cts.—Lard, 8 a 9 cts.—Ba-con, 6 a 7 cts.—Leather, Best 5ole, 24 to 27 cts.— Feathers, live, per 15. 30 a 35—Cotton, Louisiana, 16 to 18 cts.—Georgia, Upland, 15 to 17 cts.—Ala-lease for six years. Persons disposed to purchase "In the Farmer some weeks past, you observ-full blooded 35 to 40 cts.—\frac{1}{2} do 30 to 35 cts.—\frac{1}{2} do distance may obtain further information by adequoin had bottled nine dozen of cider, and that 25 to 28 cts.—Common, 20 to 25 cts.—25 per out of that number you had lost eight dozen.— cent. more when well washed on the sheep and JNO. C. MOALE. out of that number you had lost eight dozen.— cent. more when well washed on the sheep and Now, Sir, I can tell you that I bottled on the first free from tags—Coal, pit, foreign, 40 cts.—Virof April, 22 dozen, 10 of red streak and 12 of pip- ginia, do. 20 to 25 - Susquehannah, do. 6 50 to S7

Tobacco-Same as last report.

White Flint Wheat.

We are happy to have it in our power to inform to work again, and put two tea spoonfulls of French those who wish to make trial of it, that they will

and charges, say \$2 121 cents per bushel, only 123 cents more than the selling price in Albany. in order to save the trouble of measuring &c. not less than a barrel will be sold, the contents of each will be marked on it, and is expected to contain about 33 bushels each-no charge for barrel.

A Card.

The subscribers having formed a connexion for the purpose of transacting a general commission business, which will be conducted under the firm wharf, Baltimore, respectfully tender their servi-

WILLIAM R. ASHTON, THOMAS T. BYRD, WILLIAM A. MOALE.

Baltimore, Sept. 11th, 1824. REFERENCE-

Messrs. Wm. Lorman & Son, { Baltimore. Macdonald & Ridgely,

Joseph Marx & Son, Richmond. P. N. Nicholas, Esq. Anthony Buck, Esq. Fredericksburg.

Ellerslie for Sale.

I will sell that beautiful and highly cultivated FARM, on which I have resided for the last three IF A cargo of Red Wheat brought to this mar- years. It is situated on the Frederick turnpike road, eight miles from Baltimore, and contains one hundred and seventy acres of prime land, admirably adapte to the growth of the finer qualities of Tobacco and grain of every description, ly collected every Thursday, for the American have the desired enects: about one-third is in Furmer. By Rogers & Symingron. wood, the residue is laid off into 9 fields, through each of which a stream of water passes. each of which a stream of water passes.

55 75-Ginseng, out of season-Linseed Oil, 65 house, an excellent Frame Barn on a stone founcents.—Clover Seed, out of season—Flax Seed, dation, with Stables for five horses; a substantial dles, Mould, 12½ cts.—50ap, 7 cts.—Pork, Mess, three good barracks for grain, an ice house, serbama, 13 to 15—New Wool, 30 to 35 cts.—Merino are invited to view the property, and those at a full blooded 35 to 40 cts.—\(\frac{3}{4}\) do 30 to 35 cts.—\(\frac{1}{2}\) do distance may obtain further information by ad-

CONTENTS OF THIS NUMBER.

Observations of a Correspondent, being an account of the management and produce of Eacl Stimson's Pre-aiam Farm in Saratoga County, New York—Improvements of the navigation of the upper Delaware—Natural History of rats, introduction of the Genet, or Cat of Constantinople—Proposed Cultivation of the Orange Tree in the Southern States; how far practicable—Remarks on the habits and ravages of an insect called the "Oak Princer"—Sporting Intelligence

HORTICULTURE.

AN INAUGURAL DISCOURSE

Delivered before the N. York Horticultural Socicty at their Anniversary Meeting, on the 31st of August, 1824: By David Hosack, M. D. F. L. S. President of the Society; member of the Horticultural Society of London, of the Agricultural Societies of Ghent, Florence, Philadelphia, New-York, Jc.

Cura sit, ac patrios cultusque habitusque locorum : Et quid quæque ferat regio, et quid quæque recuset. Hic segetes, illic veniunt felicius nvæ: Arborei fetus alibi, atque injussa virescunt Gramina. Nonne vides, croccos ut Timolus odores - Molles sua thura Sabæi? VIRG. GEORGICA, lib. i.

Officers of the New-York Horticultural Society, elected on the 31st August, 1824.

JACOB LORILLARD, Sameul L. Mitchell, LL. D. Lecturer on Botany and Vegetable Physiology. PETER HATTRICK, Treasurer.
N. H. CARTER, Corresponding Secretary.
LEVI H. CLARK, Recording Secretary. COUNCIL.

Martin Hoffman, Michael Floy, William Phelan, William Curr, James Dick, Israel Dean, Col. George Gibbs, James Minal, S. J. Tobias, Edward Probyn, Robert Gracie, J. W. Francis, M. D. William Neal, Thomas Pringle, William Fairbairn, Gen. Morton,

William Wilson. Thomas Hogg, James M'Brair, John M'Intyre, Charles Oakley, Andrew Clark, David S. Lyon, Philip Rhinelander, Clement C. Moore, Hilliam Neilson, Francis Baretto. J. W. Schmidt, John Groshon, John M' Nab, William Wilson. Wright Post, M. D.

At the Anniversary meeting of the New-York Horticultural Society, held on the 31st day of August, it was unanimously Resolved,

That a Committee be appointed to wait on the President, and solicit a copy of the learned and eloquent discourse this day delivered before the New-York Horticultural Society: whereupon the following gentlemen were appointed:

The Hon. WILLIAM P. VAN NESS, MARTIN HOFFMAN, Esq.
JAMES BUCHANAN, British Counsul.
JOHN R. MURRAY, Esq.
Professor WRIGHT POST, M. D. DAVID S. LYON, Esq.

LEVI H. CLARKE, Rec. Sec.

To DAVID HOSACK, M. D. President of the New-York Horticultural Society.

NEW-YORK, Sept. 7, 1824.

Dear Sir,-With great pleasure we comply with the unanimous wishes of the N. York Horticultural Society, in presenting to you the en-cupations of the mind, peculiarly so in advanced closed resolution, requesting a copy of your Dis-life; at the same time that it is beneficial to closed resolution, requesting a copy of your Discourse, delivered before them on the 31st ult.—
We cordially concur with them in the desire explosed to body and the mental faculties.

* History of Modern Gardening, subjoined to his fourth volume of the Art of Painting.

* Observations on Modern Gardening. pressed for its publication, as well on account of its interest and elegance as a composition, as from occasion, I will not intrude, gentlemen, by any a wish to have more convenient access to the judetailed allusions to the history of this art. I d'Histoire Naturelle, par M. Deleuze.

With sentiments of the highest esteem and

WILLIAM P. VAN NESS, MARTIN HOFFMAN, JAMES BUCHANAN, JOHN R. MURRAY, WRIGHT POST, DAVID S. LYON.

HOFFMAN, Esq. JAS. BUCHANAN, British Consul, John R. Murray, Esq. Professor Wright mittee of the New-York Horticultural Society.

New-York, Sept. 8, 1824.

Gentlemen,-The Resolution of the New-York Horticultural Society affords a high gratification to my feelings; but the very flattering manner in which you have communicated it, and the character you have attached to the Discourse itself, I DAVID HOSACK, LL. D. President.

The Hon. W. P. Van NESS,

Vice-Presidents.

Confess create in my mind the apprehension that you have excited expectations that cannot fail to be disappointed. I nevertheless commit it to your care, with the hope that the reader will recollect, that the laborious duties of the medical profession are to a certain extent incompatible with that attention to style and composition that are usually looked for in exercises of this nature.

I am, gentlemen, With sentiments of great regard and respect, Your humble servant, DAVID HOSACK.

INAUGURAL DISCOURSE.

Gentlemen, members of the New-York Horti-cultural Society,—When I lately withdrew from the situations I held in some of the literary and tention to have retained none, nor to have accepted of any other, saving those immediately connected with my profession. But the strong attachment, which from my youth I have cherished for botanical and horticultural pursuits. nexion with an ardent desire to advance the in- a distinguished place. terests of this excellent institution, will not permit me to decline the honour you have this day conferred upon me. Indeed, gentlemen, I should the auspices of Desfontaines, Jussieu, and Thouin, do injustice to my own feelings, and be wanting in respect for the active exertions and abilities that already have signalized the members and officers is to be observed that it was not until 1804 that of this Society, not to express the high gratificathe first association of this nature was formed in tion I feel in being selected to the station that has hitherto been so honourably and usefully occupied.

Horticulture embraces three objects. 1st. The cultivation of the plants of the table, including culinary vegetables and fruits. 2d. Those plants which are considered as ornamental. And 3d. Landscape gardening; or, the art of laying out the able and learned professor of the institutes of grounds in such manner as may render them most Medicine in the University of Edinburgh, the

conducive to utility and beauty.

In as far therefore as horticulture is not only subservient to utility, but, like the art of painting, addresses itself to the taste and to the imagination, it has very properly been enumerated among the liberal or the fine arts; and accordingly ranks among the most delightful and important of human pursuits. By Cicero it is with great propriety enumerated among the most pleasing oc-

In the observations I propose to make upon this

dicious propositions and valuable advice it submits might otherwise, perhaps, amuse you with the to their consideration. quity, as well as of those of modern times; for poets have ever derived their greatest beauties, and philosophers some of their most interesting disquisitions, from this exhaustless store of human happiness. The works of Homer, Juvenal, Virgin, Milton, Shenstone, Thomson, Cowper, Mason, and the Abbe Delile, owe much of their interest to this delightful theme.

But even the charms that Milton has attached To the Hon. WILLIAM P. VAN NESS, MARTIN to the blissful abode of the first happy pair, or with which Homer, in bis Odyssey, has embellished the gardens of Alcinous, or of Laertes, Post, M. D. and DAVID S. LYON, Esq. Com- shall not divert me from my present purpose. Nor shall I attempt to ascertain the horticultural skill that was bestowed upon the garden of Cyrus, that of Attalus, the celebrated groves of the Hesperides, or the Hanging Terraces of Babylon. Nor shall I descant upon the beauties of the Academus; of the retirement in which Epicurus taught his philosophy; or that selected by Plato on the banks of the Hyssus, celebrated as the scene of his Dialogue on Beauty. Nor shall the magnificence of the gardens of Lucullus, the Tusculan villa of the Roman orator, or Pliny's celebrated retreat in the Appennines, when Rome was at the summit of her glory, and the mistress of the world in arts and arms, detain me.

But referring to Xenophon, to Justin, to Virgil, to Pausanias, to Pliny, and to the writers of later days, Walpole,* Sir William Temple, Wheatly,† and to Dr. Falconer's Historical View of the Gardens of Antiquity, I pass on to remark, that very little has been effected in the science of gardening, until the last fifty years. Within that period a number of individuals, distinguished for their taste and education, have given their attention to the study of this interesting subject, and especially in France and in Great Britain, have produced important changes in every department nities led them to the cultivation of this art, hold

But passing over the long and justly celebrated national establishment of France, which, under embraces every thing directly and remotely connected with this department of knowledge, it Great Britain. In that year, under the patronage of the late Sir Joseph Banks, the Mecanas of his age, the Earls Dartmouth and Powis, Sir James Edward Smith, Mr. Thomas Andrew Knight, Mr. R. A. Salisbury, and Mr. Joseph Sabine, the Horticultural Society of London was instituted; and in 1809, by the exertions of Dr. Andrew Duncan, Caledonian Horticultural Society was formed in that city. The enterprise and abilities of that venerable character, who, like Celsus of old, united great horticultural knowledge with his professional attainments, aided by the Duke of Buccleuch, the Earl of Wenryss and March, the Hon ourable Sir John Sinclair, Sir James Hall, Sir George Stewart Mackenzie, and others of the Scottish nobility and gentry, have done much in

‡ Encyclopædia of Gardening. § Histoire et Description du Museum Royal

directing their countrymen to the cultivation of

By the friendly intercourse of the members of throughout the kingdom of Great Britain.

Each of these institutions has published many by been effected by diffusing a knowledge of the rened, and appointed a committee to prepare a principles and practice of gardening, not only inconstitution and code of by-laws for the governviting the attention of gentlemen of leisure to ment of the same. These have recently been the esculent vegetables of the table, in whatever subjects so immediately conducive to the support completed under the direction of the Society; form they may exist, whether gramineous or herand happiness of man, but exciting among the printed for the use of the members; and are now baceous.

cultivators of the garden and the field a spirit of ready for distribution.

While these measures were in progress, owing those plants that are most useful in medicine, or by the addition it has made in the quantity, and to a train of unpleasant circumstances, the recol- are subservient to the arts, or are employed in the improvements it has affected in the quality, lection of which we hope may never be revived, manufactures. of the products of the soil.

published several quarto volumes, embracing ma- York State Horticultural Society, and precisely, and or exciting the attention of our youth of both

the institution and the nation.

and the practice of horticulture.

convened for the purpose of introducing such im- ilar, one is certainly superfluous, and creates a of the country. provements in the cultivation of our vegetable very unnecessary call upon the contributions of a 5th. The whole of this Institution should be productions, as they conceived were called for, generous public. I cannot therefore but include surrounded with a belt of forest trees and shrubs, felt themselves competent to effect. This asso- will make the sacrifice of any personal or inter-ciation was in the first instance entered into with- ested considerations, and combine their efforts struction, a building should be set apart, approed and extended for the good of the community. claim the notice of this Society.

tentatious beginnings of the New-York Horticul- vantages that can be contemplated in an establed, arranged, and designated, in the manner that tural Society, which, within a very short space of lishment of this nature. time, has been the means of increasing the variety, and of improving the quality of the vegeta-bles of our table; of totally changing the face of our markets; of introducing a great number of space necessary to their growth, but that they imperfect dried specimen is presented to the

enjoyment.

ration.

tion into successful operation.

a few gentlemen thought it expedient to form a and which, by their education and abilities, they the belief, that the members of both institutions foreign and domestic.

exertions, it was now proposed, that they should been instituted, and as already stated, these ob- in such collection. form themselves into a regularly organized insti-jects are numerous, a piece of ground should be 7th. Attached to this library, should be a cabitution. This was accordingly effected. selected, which, from its extent, variety, and sit-net set apart for an Horcus Siccus, or Herbarium, Such, gentlemen, were the humble and unos uation, would be capable of affording all the ad- and containing our most valuable plants, preserv-

valuable fruits; of augmenting the number and may be exhibited to the visitor or cultivator under best painting, is a striking evidence of the import-variety of ornamental plants, both indigenous and the most advantageous circumstances. And upon ance of such collection. Nevertheless, the proexotic, and thereby of spreading a taste for this this subject let me remark, that it becomes high-ductions of the pencil, in delineating the most innocent, yet instructive and delightful source of ly important, in an institution of this nature, to ascertain by a regular series of observations the In the year 1822 this Society made an applica- characters of the different fruits that are cultivation to the state legislature for an act of incorpo- ted, and to determine what are the different spe- deflutation of the Caledonian Horticultural Sociecies and varieties well established as such: for in ty. 1823.

The legislature, perceiving the beneficial re-horticulture, as in medicine, empiricism exists, sults that had been produced, and were to be ex-which can only be controlled by an association of pected to the community, from an institution of men, well instructed in their profession, and who those institutions, and the emulation that has been excited among those numerous bodies, each consisting of many hundred members, horticul-unanimity granted an act of incorporation, emtural knowledge has rapidly increased, and the bracing all the provisions that had been solicited, fruits by competent men, that we find, instead of most beneficial results have been experienced and were deemed necessary to carry such institu- a standard nomenclature, our catalogues of fruits filled with an almost infinite number of supposed In conformity with this instrument, the gentle- varieties, that have no existence but in the whim volumes of communications, and much has there- men composing the association immediately con- of the cultivator, or which has originated in si-

2d. Compartments should be provided for all

4th. To these should be added, for the purpose The London Horticultural Society has already new establishment, under the title of the New- of diffusing a taste for the productions of nature, ny important subjects in all the departments of as they themselves set forth, for similar purposes sexes to botanical inquiries, and of contributing culinary, truit, and ornamental gardening, and in all respects with those of the original institution to the beauty and elegance of the establishment, those too illustrated by coloured engravings, exe- tion now in successful operation, and under which, a collection of the most rare and ornamental cuted in a style of magnificence highly creditable we are happily assembled. I well know that the plants that can be procured, both indigenous and to the skill of the artists, and alike honourable to greater number of those who entered into the exotic. While therefore we shall thus have it in new association were, at the time they expressed our power to bring into one view, for the informa-The Scottish Society has also published some their willingness to concur in its establishment, tion of the stranger, or for the purposes of exvolumes of great merit, and although executed altogether uninformed of the ulterior views and change with foreign correspondents of the Insti-with less attention to the type and elegance of proceedings of the already existing society, and tution, the native productions of our varied climanner, have been the means of spreading very have since expressed their desire that the two mate and country, we should also be provided extensively the knowledge both of the principles associations may be consolidated, and their entire with suitable conservatories for those plants which d the practice of horticulture.

willingness to lend their aid in effecting such may be introduced from abroad. And I may add,
But a very few years have elapsed since the union. This event is still to be desired; and on that the bulldings thus erected should be construct-Society now assembled, was first instituted. In our part I feel authorized to say, as expressed in ed agreeably to the most correct principles of ar-September, 1818, a small number of the more en- our proceedings, will be cheerfully acceded to chitecture; for every such edifice, in a place of terprising and intelligent of the practical garden- upon terms of reciprocity. The views and objects great public resort, will necessarily have its iners and nurserymen in the vicinity of this city, of the two institutions being, in all respects, sim-fluence in forming and directing the general taste

out the most distant view of attracting public no-for the purpose of effecting an union so desirable, priated as a Lecturing Room, and supplied with a tice. But as these improvements proceeded, they which promises to be productive of great good to Library, where access may be had to every work acquired notoriety, and the views of their authors the community, and an honour to our city and of importance, in any of the branches appertainexpanded with their success. They consequent-state. After these preliminary remarks, I solicit ing to the subjects of botany, horticulture, vegely became desirous that the knowledge of the im- your attention to the consideration of a few of the table physiology, the philosophy of vegetation, or provements they had effected might be preserv- most prominent subjects which appear to me to the principles of agriculture; and in forming such library, you will nut omit to place upon its shelves Many of the most respectable gentlemen of our In the first place, as this Institution is altogether the Memoirs and Transactions of the London city, who are in the habit of passing a portion of of a practical nature, and has for its objects prac- and Edinburgh Horticultural Societies, as well as their time, during the warm season of the year, tical improvements in the culture of plants, it is those of France and other establishments of the at their villas in the neighbouring country, and obvious that a garden should be established in the like nature on the continent of Europe; the transwho are attached to horticulture, also joined in vicinity of this city, as a repository for the vege- actions of the agricultural institutions of this this association; and, that their labours might be table productions that may be received by the So- country—of the States of Pennsylvania, Newcome still more extensively useful, as well as for ciety, whether derived from foreign countries, or York, Massachusetts; and the writings of Skinthe purpose of securing to every individual the the growth of our own soil. As subservient to ner, Scuthwick, Thacher, Coxe, Dean, Taylor, reward due to him for his active and successful the great purposes for which this Society has Elliott, Nicholson, and others, should be included

> has been adopted by professor Desfontaines, at 1st. It should be sufficiently extensive to con- the Jardin des Plantes at Paris.* The remark I

^{*} See Journal of the Horticultural Tour in Flanders, Holland, and the North of France, by a

tablishment.

Humphrey Davy and other distinguished men. These are subjects, which, in addition to the techwill also be embraced in his course of instruction, and cannot fail to be productive of important

8th. Another advantage which such an establishment should possess, is that of exemplifying the principles of Ornamental Planting, or Landscape Gardening. The ground should be selected of such form and variety as will admit of such by many entirent horticulturists, and in several decoration. And in the cultivation of the various instances attempted, but in some without the sucplants of the collection, their distribution may ever be rendered subservient to this great object, and thereby become the means of spreading extensively among our citizens a taste for one of the highest recreations that the human heart can retinguished cultivator of the vine at Georgetown, led at the same age. I have sold my wine, when ceive, and one which will go far in the improvement of the moral principle, and in diverting the Pennsylvania, * to Mr. Divers, of Charlottesville, dollars per gallon." tensively among our citizens a taste for one of the ment. Great praise is due to Mr. Adlum, a dismund from pursuits of a less worthy nature; for Virginia, to Dr. Wilson, of Clermont, and to Col. the mind that is not actively engaged in virtuous Gibbes, an agriculturist in the vicinity of this turn their attention to this business, they will not pursuits, will most probably be occupied with city, as well as some other of the members of this only be enabled to stop the importation of wines, those of a contrary character.

9th. In this Institution, doubtless, attention will cultivation of the grape. be given in forming a system of instruction neges not only of being instructed in the cultivation mon remark, and is fully justified by the experi-

the foreign gardener, who requires the residence of years to instruct him in this important part of his protession.

Il. Another, among the most important subjects which will invite our attention, is the culti-

vation of our native fruits.

When we recollect, to use the language of Mr. Knight, that the golden pippin was derived from the austere crab of the woods, and that the numerous varieties of the plum are the produce of the native sloe, we are taught the importance of giving our attention to the numerous and hitherto unexplored productions of our native wilds, and are encouraged to believe that many important

also carefully collected, as preparatory to the publications which may hereafter issue from this establishment.

prise of our members in changing, by culture, gentlemen, by their attention to this subject, may be the means by which thousands of our fellow-we see that many trees have been rendered calmen may be reclaimed from a most pernicious You have wisely provided a lectureship on puble of ripening their fruits in climates colder and disgraceful vice, alike ruinous to domestic botany and vegetable physiology. A new subject than their native country, and that many have happiness, and destructive of the moral character of inquiry here opens to our view, and merits the been assimilated in their habits to their newly of the nation. particular notice of this Society. I refer to the adopted climate, and as the horticulture of one thilosophy of vegetation, the doctrines and principles of agricultural chemistry, the composition another, and must vary in its nature and objects, titles to furnish wine as the daily beverage of the of soils, and the operation of manures, all which depending upon climate, soil, and other local cirhave recently engaged the powerful mind of Sir cuinstances, it is important for us to institute a sess resources for this purpose in the native fruits series of observations and experiments, with the of our country? view to ascertain how far many plants, which are nical arrangements entered into by the Lecturer, now the staple productions of the south, may be ent parts of this country, this question may, I beacclimated to higher degrees of latitude. The successful experiments of Du Hamel, in France, are very instructive upon this subject, and will admit of extensive application in the U. States.
The cultivation of the vine, in a peculiar man-

ner, merits the notice of this Society.

This subject has been frequently recommended bly owing to the measures not being adopted or

Among the wants in our domestic economy, cessary in the education of the complete gardener, none are more conspicuous or lamentable than observations made by Mr. Adlum, already rein the manner that has been constantly practised that of some agreeable beverage which may sufferred to, by the late Mr. Thomas Roach of Hurtin some of the institutions of Europe. For this persede the use of ardent spirits, the inordinate ford, by the sect of Harmonists from Suabia, now purpose, apprentices should be received for a cer-tain period of time, affording them the advanta-the approbria of our countrymen. It is a com-and the extensive establishment at Cacahokia, of all sorts of culinary and ornamental plants, but ence of European nations, and the high authority of being made practically acquainted with the of that illustrious writer upon political economy, different operations of firuning, training, budding, Dr. Adam Smith, that the inhabitants of coungrafting, layering, and transplanting, as well as tries where the vine is cultivated and the juice of the general principles of ornamental gardening. the grape the common beverage of the people, A professor of drawing should be attached to are free from the vice of intemperance. It is the establishment, whose duties should be, not remarked by that acute observer, "that the induced into the soberest people in Europe. Witness the Sparolloud his mind during his public life, when engaged in the weightier concerns of the collection, but who would also deliver a course of niards, the Italians and the inhabitants for the subject of agriculture, to which he now devotes his retirement, are no less profound and deserving public attention than were those which occupied his mind during his public life, when engaged in the weightier concerns of the value or beauty that may be introduced into the soberest people in Europe. Witness the Spacollection, but who would also deliver a course of niards, the Italians, and the inhabitants of the nation, "That the practicability and national lectures upon his art, to the pupils who might resort to this establishment for instruction.

Instead then of looking to Europe for garden-either from excessive heat or cold, produce no sum is expended, those which can be produced at ers, which has hitherto been the custom of our grapes, and where wine consequently is dear and home, without withdrawing labour from objects country, we should at such school educate a suf- a rarity, drunkenness is a common vice; as among better rewarding it, is strongly illustrated by the ficient number of our own citizens to supply all the northern nations, and all those who live be- experiments and statements made upon this subthe wants that may be created. Another advant-tween the tropics, the negroes, for example, on ject. The introduction of a native wine is not a age that must obviously flow from such an organ-the coast of Guinea." The cheapness of wine, little recommended, moreover, by its tendency to ization, is, that the natives of our soil, being ne- he adds, seems, therefore, to be a cause, not of cessarily better acquainted with the climate and drunkenness, but of sobriety. I was told by the habits, for the ardent liquors so destructive to the the vicissitudes of our seasons, are consequently, late Dr. Hugh Williamson, that Mr. Jefferson as- morals, the health, and the social happiness of the with the same opportunities of education, better sured him that, during his residence, as Ameriqualified for the duties of their occupation than can minister, in France, he never met with but one instance of intoxication.

An English gentlemant of great intelligence, time and strewho has recently travelled through Spain, within less amount." a few days informed me, that, with the exception of those who held intercourse with British or American seamen, who are in the constant use of Spaniard.

It seems, therefore, to be equally the dictate of patriotism and humanity, to eradicate from our

rare and valuable plants of the garden, should be additions may be made to the table by the enter-country so grievous a reproach. This Society

The question then presents itself, is our climate inhabitants of the United States? or do we pos-

From the experiments already made in differ-

The lieve, be answered in the affirmative.

The experiments made in the southern and western states, as we are informed by Mr. James G. Hicks, a writer in the American Farmer,* show that wines of most excellent quality, both Claret and Madeira have been produced. "I am Claret and Madeira have been produced. well convinced," says the writer, "from my experience in the business, that a vineyard, in an eligible situation, well cultivated, will yield from cess which had been anticipated, and this proba-three to five hundred gallons to the acre; and one hand can with ease cultivate five acres, exunderstood that are necessary to its accomplish- cept gathering; and I have no doubt but the wine

"Should the people of Kentucky and Tennessee Society, for the attention they have given to the but will be enabled to furnish the eastern and northern states with this article cheaper than they can import it." Further and more recent now Illinois, also abundantly evince the capacity of our soil and climate in the production of wines of the best quality from various grapes, both fo-

reign and domestic. It is remarked by Mr. Madison, t whose observations on the subject of agriculture, to which he substitute a beverage favourable to temperate American people; and it may be added, which is so expensive to them also: for, besides the actual cost of the intoxicating draughts, the value of the time and strength consumed by them is of not

It has also been proposed by many of our farmers, and numerous experiments in various parts of the United States show the propriety of the spirituous liquors, he never met with a drunken suggestion, to furnish a substitute for spirituous liquors by obtaining, from the fermentation of some of the native fruits of our soil, as from those which are now extensively cultivated in our fields and our gardens, wines which might take the place of the more expensive produce of the grape.

^{*} American Farmer, vol. V. p. 251.

[†] Wealth of Nations, vol. II. p. 296. ‡ Charles Waterton, Esq. of Walton Hall.

^{*} Vol. II. p. 405. + Am. Farmer, vol. V. p. 63.

rant, the raspberry, the gooseberry, and the elderberry, have all been successfully made use of I justly refrain from indulging in a passing exfor this purpose in various parts of this country, pression of my respect for the statesman whose and wines highly agreeable, obtained from these profound reflections, deep penetration, and enerand wines highly agreeable, obtained from these fruits, are now prepared in considerable quantities, offered for sale in our cities, and when meucement, the prosecution, and the near combefore 12 o'clock on Wednesday, the 13th of Ocfashion, and the patronage of influential indivi |pletion of these unparalleled projects? duals, and of public institutions shall recommend them to our citizens, I have no doubt that, with the votaries of science by his devotions at her the improvements they will receive in their pre-shrine, but rendered doubly so by the indirect aid paration, and which will be proportioned to the which he affords to her interests by his splendid demand, our country will be abundantly supplied plans of public policy; plans at once great, pracwith domestic wines calculated to produce all the ticable, and unrivalled in the age which has procordial and salutary effects of, without the evils duced them. arising from, the stronger wines of Madeira or France, or the use of ardent spirits.

My time will not permit me to enlarge upon

this interesting topic

In conclusion, gentlemen, allow mc here to remark, that the city of New-York possesses advantages and facilities for the various objects of our Institution, greater than can be obtained in any other part of the union. By our commerce and our navy, we have continued intercourse with every part of the globe. The gentlemen employed in the public service of their country, and in the recently established communications with the different parts of the world, are, for the most part too, men of excellent 'education and inquircultivating the arts of peace.

Circulars prepared under the direction of this institution, and placed in their hands when they depart from our shores, would secure to us, in a very few years, the vegetable productions of every part of the habitable globe, and in the intercourse between this city and the other parts of where the board of directors.

our common country.

or another, grasps all human improvements, and such evidence from the claimants, as shall be satispresses them into the service of a common cause, factory to the Directors. will in return receive direct aid from the stupendous artificial works now nearly completed in this it. The vast and fertile regions of the west are yet to be explored by the sons of genius and research. The secrets of nature are yet to be unfolded. Her hidden treasures, her countless varieties, and her unnumbered beauties are yet to be presented.

The territory of the great lakes and of the western rivers is a world of itself. How importgigantic work which I have mentioned. Our the owner thereof.
course is now open to the depths of the wilder- No Oxen or Horses will be received in competiness In peace and in comfort we can not only tion for the premiums offered for their performisit the walks of civilization and refinement, the ance at the Plough, unless they be driven either towns, the villages, and the cities which have re-cently appeared in the west as if they were called forth by the potent hand of enchantment; but we can also gratify our curiosity and our love of science, by examining regions where the footstep of the naturalist has never left an impression, or magnificent internal improvements of the state of New-York are tributary to our objects. They facilitate the execution of our laudable designs. They multiply, on a stupendous scale, the means of intercourse, and literally annihilate distance and expansion of territory.

And while on this subject, and removed, as I

of politics and the vortex of party collision, can the 13th of October, before 6 o'clock, P. M.

The name of CLINTON is not only endeared to

AGRICULTURE.

THE PENNSYLVANIA AGRICULTURAL SOCIETY, Will hold their second Exhibition and Cattle Show on Thursday and Friday, the 14th and 15th days October, at Chester, on the river Delaware, in Delaware Co. 15 miles from Philadelphia;

When in conformity with the Act of Incorporation, \$330 will be offered to premiums for Neat Cattle—\$150 for Sheep—\$125 for Horses—\$28 for swine--\$135 for Crops--\$85 for Butter, Checse Sugar, Pearl Ash, Domestic Wine, Cider and Implements of Husbandry-\$143 for Household ing minds, and not wanting in patriotism, whether Manufactures—\$15 for Oxen at the Plough, not employed in the battles of their country, or in more than 8, nor less than 4 years old—\$15 for Oxen at the Plough, not more than 4 years old-\$15 for Horses at the Plough—\$5 for the best Ploughman with Oxen—\$5 for the best Ploughman with Horses-under certain restrictions, as

It is explicitly declared, THAT IN EVERY CASE WHERE THE BOARD OF DIRECTORS SHALL CONthe union, so unceasing is the communication, and SIDER THE OBJECT PRESENTED UNWORTHY OF at all seasons of the year, that the benefits we DISTINCTION, THEY RESERVE TO THEMSELVES may through these channels receive in this city THE RIGHT OF REJECTING IT, ALTHOUGH BY and state will immediately be diffused through LITERAL CONSTRUCTION IT SHOULD BE ENTI-TLED TO REWARD—and that in all cases where But this is not all. Science, which in one shape premiums shall be demanded, they will require

No person will be entitled to a premium for any Animal which he shall not have bred, or possess state for the promotion of trade and intercourse. ed, at least 4 months, immediately preceding the I cannot be mistaken in my allusion. I speak, time of Exhibition—nor for any article of House-gentlemen, of the great Western Canal, and the hold Manufacture, any Implement of Husband-same distance between their ends, and the furrow minor communications which are connected with ry, for Product of the Soil, whereof he or she, surrounding them all; within which no person shall not have contributed to the production or shall be allowed to pass, except the officers of formation.

The trial of Oxen at the Plough, and of Ploughmen with oxen, will be made on Thursday, the 14th—of Horses at the Plough, and of Plough men with Horses, on Friday, the 15th of October.

No person will be permitted to contend for the premium offered for the best Ploughman, wheth ant, then, that we are thus approximated by the er with Horses or Oxen, unless he or his father be

by their owner or his son.

It will be at the option of the successful competitors for the highest premiums, which shall have been awarded for Neat Cattle, Horses and Sheep, to receive gold medals in lieu of money; and it will be at the option of those to whom prescience gleaned a treasure. I say then that the miums of the second class shall have been awarded for Animals of the same kind, to receive silver medals in lieu of money,—and it will be at the obliged to state, where and of whom, the ani-option of those to whom premiums of any other mals were bought, their ages, and if practicable, class shall have been awarded, to require in lieu of money, copies of the "American Farmer."

of Husbandry, offered for premiums, must be de- of labour, they have been produced.

The apple, the pear, the blackberry, the cur- am, by my professional pursuits, from the sphere posited at the place of Exhibition on Wednesday,

No person can become a competitor for prizes offered for Animals or Manufactured Articles, tober; nor shall he be entitled to any prize, unless he shall have put the Animal or Article ofered in the place assigned by the Committee for s Exhibition.

No Animal will be received after 10 o'clock on

Thursday, the 14th of October.

An Auctioneer will be employed for the sale of Animals on the last day, when it is hoped that in addition to a large stock of improved breeds, which will be offered for sale, the farmers of the neighbouring counties will avail themselves of the opportunity to sell any fine native animals from which they may be disposed to part.

The Directors will assemble at 9 o'clock on the

14th of October, at Thurlow's Inn.

The Circle, and a space, not less than 10 feet, beyond its circumference, and the outer sides of the pens, in which the live stock shall be confined, must be cleared, and kept clear, by constables mounted on horseback, until the Stock Committee shall have completed their round.

The Committee for Implements of Husbandry will make trials of Ploughs, &c. on Wednesday, the 13th of October, to be prepared for the meet-

ing of the Directors.

The committees for Stock, Products of the Soil, and Household Manufactures, will commence then examination at 11 o'clock, on Thursday, 14th. The land for the trial of Ploughs will be divi-

ded into spaces equal to the sixteenth of an acre -a furrow shall enclose them, at the distance of

twenty feet from the outer side.

One Ploughman, who will be selected by the Committee shall be employed throughout, After the ploughs shall have been properly set, by the parties who exhibit them, no persons, except the ploughman, and the officers of the Society, shall be permitted to pass within the line, until the trial shall have been completed, except to repair accidental injury.

For the trials of Oxen, and Horses, at the plough, spaces, equal to the eighth of an acre, shall be defined in the same manner, leaving the distance shall be allowed to pass, except the officers of the Society, and such persons as they shall designat€.

The places of deposite for manufactured articles, products of the soil, and all other matters, exhibited for premiums, shall be cleared, and kept clear, by constables, whilst the committees are employed in making their examination.

No person, shall be allowed, under any pretence, to approach any member of the examining committees, during the performance of their du-

If the owner of any animal, offered for premium, shall hold any conversation, with any orember, of the Stock Committee, in regard to the merits of the object, which he shall have presented for a prize, after the commencement of the examination, and previous to the award of the directors being declared, he shall forfeit all his claims to such award.

All applicants for premiums for Stock, will be by whom they were bred, and how they have been fed-for manufactured articles, and products All Household Manufactures, and Implements of the soil, where, by whom, and at what expense,

of the Committee of Arrangement, upon pain of to the climate and circumstances of the country. forfeiture of any premium which it might obtain.

No Director, can have a vote, for the award of any premium, wherefor he shall be a competitor. JONATHAN ROBERTS, Esq. President of the Penn-The various committees, are enjoined, to keep secret, their opinions, until they shall be formally

conveyed in their reports.

All reports, will be handed sealed to the Assistant Recording Secretary, except those, on the trial of Oxen, and Horses, at the plough, before 8 o'clock, on the morning of the 15th.

The Board of Directors, will assemble at 9

which the Exhibition is to be held, and the farms adjacent thereto, and being assured of the co-operation of the High Sheriff of the County, as will punish with the atmost rigour of the law, ed. On the mountains of Scotland and Walesany infraction of the 10th section of the act of on the bare chalk hills of the southern and west of the Exhibition.

Although the Society have been necessarily constrained to limit the distribution of their premi-their fleeces, are fitted to support the exposure ums, for the objects enumerated in the larger which in mountainous regions, must always be bills, they will be glad to receive for Exhibition, met. In the rich vales of Leicestershire, and and properly notice any animal, implement of highly cultivated marshes of Lincolnshire, and husbandry, or article of domestic manufacture, other counties in the North, families, the very opwhich by its form, usefulness, or the ingenuity of posite to these have been as carefully bred, pos-

tinction.

proceedings.

from erecting, any booth, or placing, any cart, table, bench, or any other matter, for the sale of food, upon the premises leased to them.

JONATHAN ROBERTS, President. JOHN HARE POWEL, Corresponding Sec'ry.

COMMITTEES.

Darlington, Richard B. Jones, John G. Watmough, take has not been confined to those parts of our agricultural labour, would be entitled to as much John Hare Powel, Henry L. Waddell, John Wil country where the carcass can with difficulty be praise, if he would not display as much ingenuity,

For Neat Cattle .- Thomas Smith, Thomas Ser-

B. Jones.

Horses .- Manuel Eyre, Algernon S. Logan, Enos Morris.

Sheep and Swine.—Samuel West, Job Roberts, William Evans, Elijah Lewis, Samuel Davis.

Products of the Soil.—George Sheaff, George W. Holstein, William Darlington, Samuel West, Joseph George.

Henry L. Waddell.

Manufactures .-- Stephen Duncan, William Darlington, John Elliot of Montgomery.

Oxen at the Plough.-Job Roberts, Mathew Roberts, G. W. Holstein.

Horses at the Plough.-Samuel Davis, Samuel West, James Worth.

as far as Lockport, on the 30th ult. and it was now the honour to present. expected that the boats would reach there in about a week. A daily stage now runs between Lockport and Buffalo.

No animal, can be moved, without the consent On Breeding Sheff-they should be adapted

Porvelton, 1824.

sylvania Agricultural Society.

Dear Sir,—The forms of the various breeds of British Sheep, are distinct, as the districts from which they take their names. The objects to be attained in Great Britain, and most parts of America, are a quick return in flesh, and fleece, with as little offal, as is compatible with the due proportion of bone, indispensable for the health- present use of the hunter, is left for the fowls of o'clock on the same day; when the reports, will ful exercise of the animal, or the exertion neces-be read, and their decision finally taken. sary for the supply of its food. Thus we have The Directors having rented the land upon found that particular breeds, have been for ages retained in certain parts of Enrope, where the shape of the animal, has been made conformable to the purposes, to the climate, to the food, and well as of the Magistrates of the neighbourhood, face of the country upon which it has been rearincorporation, or of the regulations, which they ern parts of England, races of sheep have always have established, for the quiet, and good conduct been bred, which by the lightness of their carcasses and the activity of their muscles are enabled to find sustenance, and by the closeness of its construction, shall be deemed worthy of dis- sessing heavy carcasses, long wool, shorter legs, very small bone, with the most sluggish disposi As the Exhibition will be held near to a town tions, without either the desire, or the power to affording ample accommodation by its inns, and make exertion to obtain food. In the western the means of easy access by steam-boats, the So-parts of America where the population is thin ciety hope that they may be gratified, by the and the consequent demand for flesh exceedingly presence of such agriculturists of this and the small, attention to the carcass of the sheep, has adjacent States, as shall feel an interest in their not been properly given. The value of its fleece is certainly the more important object of regard, The Directors absolutely inhibit all persons as the difficulty of transportation of the wool, when manufactured into cloth, is so much diminished, by the condensed value of the commodity, paper, as being profitably practicable, in Amerias to find a market at little cost. But it is to be ca; especially by a gentleman who was once pertention to the rules of breeding, will eventually injure the constitution of the sheep, and material Of Arrangement .- Jonathan Roberts, William the quality, and weight, of the wool. This mis. some new object for the profitable application of cox, William Harris, Reuben Haines, Manuel sold, but may be traced in some large merino as the political economist who should discover, in flocks in the neighbourhood of our great towns.— The extraordinary power, which the vigilance, rill, William Harris, Mathew Roberts, Richard and science of some distinguished breeders in even in assigning, if the phrase may be used, de-George Blight, John G. Watmough, John Wilcox, finite properties, shapes and even peculiar co-pleased with having an opportunity to read the have seen the animals thus improved.

An able exposition of the scientific principles and practical deductions upon which their riance with their daily experience of the injurious effects of breeding closely in.

evinces perfect knowledge of the breeder's art, I

I am, with great respect,

Yours, &c JOHN HARE POWEL. TO THE EDITOR OF THE AMERICAN FARMER.

THE BUFFALO.

Sir,-I do not recollect to have seen any thing. Mr. Editor, in your valuable paper respecting the *Buffalo*. Would it not be well to endeavour to civilize this native of our forests; and instead of extirpating the whole race, endeavour to increase and improve it? At present he is hunted and destroyed principally for his skin-the tongue, a great delicacy, is sometimes also taken:-the rest of the carcass, except a small portion for the

In Asia and some parts of Europe, particularly Italy, the Buffalo is much esteemed as a la-I had some conversation a few years ago, with Governor Miller, of Arkansas, on this subject. He had broke several of them to the yoke :- they worked well; and he was of opinion that they were very valuable, and might easily be domesticated. We do not know enough of this animal, and I fear, despise him only because he is a native.

We want a substitute for the Horse as a labourer, an animal that does not cost much-that will live with little or no care; do much work-and after he gets old serve for food. The ox comes near this description. It is probable that the Buffalo is brisker, and equally strong and hardy. The mules between the Buffalo and common cow would probably answer our purpose better than any thing we have ever tried.

00000 THE POPPY.

"O gentle Sleep!

"Scatter thy drowsiest poppies from above

"And in new dreams, not soon to vanish, bless "My senses with the sight of her I love!"

The cultivation of the poppy, with a view to the extraction of Opium, has been urged in this apprehended, that disregard of shape and inat sonally conversant with its growth, and the preparation of opinm from it; in the East Indies -It cannot be questioned that he who could, under ly affect the useful secretions, and consequently the existing circumstances of our country, suggest England, a new object susceptible of raxation-We are not convinced, it is true, that the poppy can be cultivated here with advantage, but we England, have shown, in varying the forms, and hold the reverse to be by no means certain: -and at all events we suppose that our readers will be lours, to whole families of neat cattle and sheep, the facts which we have collected in elucidation can scarcely be believed, except by those who of its culture and application. But, aside from its medicinal uses, as an ornamental flower in our gardens, it has almost unrivalled attractions, in its extreme delicacy of texture and splendid art has been founded, was made some years since colours. Of these last, in all their variety, we Implements of Husbandry.-Reuben Haines, by one of the most eminent surgeous in Europe were not so fully aware, until we received from the celebrated Henry Cline, whose authority has a Lady, an esteemed correspondent, a letter from been universally received, by practical men, ex-cept upon one point, wherein he is directly at vaseed sent from France to the Philadelphia Agricultural or Horticultural Society, and placed we Sir John S. Sebright at the instance of Sir Jo-believe, in the hands of Mathew Carey, Esq for seph Banks has published an excellent paper, distribution-from him, we received a box conwhich as it exposes the error of Mr. Cline and taining a variety of seeds for publick use, and which may be obtained by any Ladies or Gentle-Canal .- The water was let into the Eric canal have recently obtained from England, and have men who will call, translate the labels, and take, and carefully cultivate such as they do take.

"I have a most magnificent display of poppies. The Dutch tulips that have been lo long the subliect of admiration, cannot equal the splendour and

thew Carey, Esq. gave me the seed. When the well of fine cold water upon an equality with not in general so white as that of a cow calf, Ex-Horticultural Society distributed the French seed others having a spring at their door. If the ex posures to the air for some time reddens the coof 1822, Mr. Carey sent me some, amongst pense attending such an operation (not including lour of the flesh. Veal is best of which the kithem, these poppies. I did not think that nature the well,) would not exceed one hundred dollars, ney is well covered with thick white hard fat. could have produced any thing so beautiful-crim-lam fully convinced there are at least one thou son, carnation, vermillion, pink, scarlet, coqueli-cot, red, blossom, purple, lilach, pearl, pink tip-the measure. ped with green, all these colours variegated, white, straw-coloured, mottled, striped, of all shapes— or four times a day by manual labour, fill a reser- on the insigninged, pendant, compact like a cabbage, minute voir and supply the dairy from thence? but did the udder. and open like a hydrangea, scolloped, curled, you never observe, that water in a reservoir soon frosted, round and fringed leaves on one flower, - becomes vapid, losing that active penetrating fri-cate pale red colour; the fat is splendid white, but in short I cannot give you an idea of the richness gidity it possesses when flowing immediately from it does not possess a great solidity. Gress Lumb and beauty of these princely poppies. I will give the source, a quality essential thereto in its use is in season from Easter to Michaelmas House you some of the seed, with the manner of raising for the dairy? them, the mode I adopt with all my flowers. am sorry that these beautiful exoticks cannot be would apply his thoughts to this subject, who is animals is particularly fine grained, and may be am sorry that these beautiful exotices cannot be would apply his thoughts to this subject, who is a farmer without a spring and no mechanic; perhaps an inser
Bruised by forcibly pressing it between the fingardeners that they may get into private hands—on than the writer hereof, who is a farmer withing the skin of the young animal is thin; the suppose you think that I have said quite enough out a spring and no mechanic; perhaps an inser
I will send the seed to the publick capable of forming a more correct judgment there.

Bruised by forcibly pressing it between the fingardeners that they may get into private hands—on than the writer hereof, who is a farmer withing the skin of the young animal is thin; the flesh of old pigs is hard and tough, and the skin on the subject of a poppy, if you do tire of this tion of the above in your highly useful Register very thick. The prime season for pork is from description it is because you have not enjoyed the might produce this effect. description it is because you have not enjoyed the pleasure of seeing the flowers in bloom. They Very respectfully you are about two feet high, and each flower is as large as a saucer. They have not the flaunting and gaudy appearance that helong to the common tribe."

In subsequent numbers we shall speak of the preparation of opium which is extracted chiefly from the white poppy.

FOR THE AMERICAN FARMER.

WATER;

ble to a farmer than a plentiful spring of pure of meat be in this intermediate state when they cold water flowing at his door. Hence the many are cooked: for no skill in the culinary art will the animal should not be killed till he is about cessfully repeated not long since in the State of appointment. New-Jersey, of boring into the bowels of the earth

offer a premium for the most approved draft or The following wholesome advice on this sub-

chine, and in a few minutes they raise the weight oily smoothness, a fine open grain, and dark florid of leaving them to torment him, like so many which will keep the machine in motion, and the

spring flowing for twenty-four hours.

A machine somewhat on the clock principle has a golden yellow colour. would probably answer, the water to be raised in small buckets attached to an endless strap revolving over a head; or a pump with an inch bore might be used, so calculated as to be continually pumping up exactly the quantity furnished b the springs of the well, without at all sinking t. head thereof; coming up thus gradually frefrom the source, and cold, it would serve the pur-

the exquisite colouring of these flowers. Ma- poses of a dairy; and place every one having a

Some may say, why not raise the water three

It would be very gratifying if some gentleman

Very respectfully yours, &c.

AGRICOLA.

0 HOUSE-KEEPERS ATTEND!

OBSERVATIONS ON THE CHOICE OF MEAT

The flesh of animals which are suddenly killed when in high health, so far as the palate is concerned, is not yet fit for the table, although fully nutritious and in perfection for making soup; be- the body is stiff; as it grows stale, it becomes flaccid. cause sometime after the death, the muscular parts suffer contraction-their fibres become rilong in experiencing the commencement of those WATER;
A NEW METHOD PROPOSED FOR OBTAINING IT. chemical changes which terminate in putrefac-skewer or knife under the bone which sticks out tion; and it is of the utmost importance, in do-of a haunch or shoulder, the odour of the skewer Mr. Skinner: - There is nothing more desira- mestic economy, to take care that all large joints will tell whether the meat be fresh or tainted .substitutes therefor, such as aqueducts, wells, and compensate for negligence in this point, as every the project lately practised in England, and suc-one must have often experienced to his great dis-

The degree of inteneration may be known by and raising by tubes, veins of water to the surface, the flesh yielding readily to the pressure of the lis just before they have qu te come to their full growth. Chickens three months old are very defeet and upwards.

the flesh yielding readily to the pressure of the growth. Chickens three months old are very defeet and upwards.

Poultry also thus part licate. Age makes a striking difference in the glesh of fowls, since after the age of twelve months. I would recommend another scheme, and if readily with their feathers; and it would be adthere be plausibility and economy therein, pervisable to leave a few when the bird is plucked, it becomes tougher. The cock indeed, at that
haps the Agricultural Society of Maryland will in order to assist in determining their state.

offer a premium for the most approach due to the control of the contr

model, of such a machine as will accomplish the ject we copy from Doctor Kitchiner: *-" When meditated purpose.

A good well may be had in most situations; by man when you intend to dress it, and he will then sinking it something deeper than usual a very have it in his power to serve you with provision the penfeathers, they are flabby; when they are plentiful supply of water may generally be obtained. Could not an economical machine be contrived that would, when at work, be continually leave to serve you unless it has been hard.

Bhose are to september, there is then the most plentiful and you order meat, foultry, or fish, tell the trades—when they are full feathered. When they are flabby; when they are fall grown, and have flown some time, they are contrived that would, when at work, be continually leave to serve you with provision the penfeathers, they are flabby; when they are full grown, and have flown some time, they are contrived that would, when at work, be continually leave to serve you with provision the penfeathers.

Bhose are the most plentiful and you order meat, foultry, or fish, tell the trades—when they are full feathered. When they are flabby; when they are full grown, and have flown some time, they are full feathered. Bhose are full feathered. When they are full grown, and have flown some time, they are full grown, and have flown some time, they are contrived that would, when at work, be continual-kept a proper time to be ripe and tender. If you ly and gradually raising to the surface this water have a well-ventilated larder, in a shady, dry sijust as fast as the springs below supplied it? the tuation, you may make still surer, by ordering in er ones are short and blunt. machine to be propelled by a weight, sinking your meat and poultry, such a time before you from a moderate elevation above the earth into want it as will render it tender, which the finest

red colour. The fat is splendish yellowish white, strings, when he would be wishing to enjoy his If the animal has been fed upon oil cakes, the fat repast." This remedy to make the legs tender,

out the muscular parts are not of so bright a red kept. If birds are overkept, their eyes will be or bone in the ribs, called by butchers, the crushone; the harder this is, the older has been the if they are beginning to be tainted, is the inside

* The Cook's Oracle.

Veal .- The flesh of a bull calf is firmer, but lour of the flesh. Veal is best of which the kid-

Mutton.—A wether, five years old, affords the most delicate meat. The grain of the meat should be fine, and the fat white and firm. The leg of a wether mutton is known by a round lump of fat on the insides of the thigh, the leg of an ewe by

I.amb.—The flesh of fine lamb looks of a deli-Lamb from Christmas to Lady-day.

Pork -This species of meat of the best fed those of Berks, Oxford, and Bucks, possess a decided superiority over the eastern of Essex, Suf-

folk, and Norfolk.

Hare.—To ascertain its age, examine the first joint of the fore foot; you will find a small knob, f it is a leveret, which disappears as the hare grows older; then examine the ears; if they tear easily, the animal it young. When newly killed,

Venison-is of a darken colour than mutton. If the fat be clear, bright and thick, and the cleft of gid. When this has taken place, the flesh is not the hoof smooth and close, it is young, but if the cleft is wide and tough, it is old. By pushing a skewer or knife under the bone which sticks out Venison is best flavoured in the month of August. four years old.

> Fowls-for boiling should be chosen as white as possible, those which have bla k legs had better be roasted. The season of perfection in poultry

> Pigeons—are in their greatest perfection in September, there is then the most plentiful and

Pheasants-may be distinguished by the length and sharpness of their spurs, which in the young-

Partridges-if old are always to be known during the early part of the season, by their legs be-The power, i. e. the weight may be increased at pleasure. Most farmers have horses; in the morning before they go to work and at evening when they come in, let them be hitched to the mar. Ox-beef-when a young animal, has a shining sinews, by means of pulling off the feet, instead removes the objection to old birds, provided the Cow-Beef-is closer in the grain than ox-beef, weather will admit of their being sufficiently long plour. In old meat there is a streak of cartilage much sunk, and the trail becomes soft, and somewhat discoloured. The first place to ascertain of the bill.

> Fish, and Crimping of Fish.—Both sea and river fish cannot be eaten too fresh. The gills should

stiff and firm, if soft or flabby the fish is old.

To improve the quality of fish, they are sometimes subject to the process called crimping .-The operation has been examined by Mr. Carlisle, to whom we are indebted for the following par-

"Whenever the rigid contractions of death have not taken place, this process may be practised with success. The sea fish destined for crimping, are usually struck on the head when caught, which it is said protracts the term of the contractibility and the muscles which retain the property longest are those about the head. Many transverse sections of the muscles being made, and the fish immersed in cold water, the contractions called crimping takes place in about five minutes, but if the mass be large, it often requires 30 minutes to complete the process. The crimping of fresh water fish is said to require hard water, and the London fishmongers usually employ it.3

Mr. Carlisle found, that by crimping, the muscles subjected to the process have both their absolute weight, and their specific gravity increas. ed, so that it appears, that water is absorbed and that the effect was greater in proportion to the

vivaciousness of the fish.

application of cold water, to excite it in the greatest possible degree, by which means the fiesh both requires the desired firmness and keeps longer .- Accum's Culinary Chymistry.

----HIGHLY IMPORTANT.

WORMS IN THE HEADS OF SHEEP—cause discovered-means of prevention described.

paper No. 24, Vol. 6. a communication from Alexander Reed, on the worms in the head of sheepand having in the following manner acquired some information on the subject which, perhaps may be useful to the public, I willingly give it.

Being always fond of good mutton, or lamb, and believing that the flavour greatly depends on the butchering, I have for a number of years past nated I selected eight of the largest and put (like the locust) in its last shape, it was of short duration, and its only business to propagate its species. Het them remain two days longer; then then satisfied that the worms had produced th.

had passed into the chrysalis state without cast- with a very small portion of sand, the whole ing the skin which had dried over it, so as to slightly coloured by iron, and containing 17 per preserve its former appearance. Four of those cent. of free alkali. From this analysis, Dr. Grisskins the flies had left, the others I opened, and com gives it as his opinion, that the article may found each contained a fly in every way like those be profitably employed in the manufacture of soap. that had come out. I immediately then went to probably of glass, and other coarse purposes for my pasture, where my flock of sheep was, to see which common potash is sometimes used. As whether the flies were to be found among them, this article is understood to be abundant about the and observed the sheep were in detached parcels. salt-works at Salina, the foregoing information or squads, some with their heads turned together, may be acceptable to our readers. with the nose against the ground; others with their heads under the sides of fences, or bushes. On approaching near a parcel that appeared restless, I distinctly saw several of the flies about tablish a line of steam and land conveyance from them, of which the sheep appeared to have great dread, and would suddenly start and run a considerable distance, then stop, and place themselves in the same position again; evidently to protect the nose from the flies; a thing I had frequently seen before without reflecting on the cause. I was by this time fully satisfied as to the parent of the worm, and the great pest and annoyance they were to the sheep, whether destructive or not, and that the egg, or larva, was deposited at the nostril of the sheep, from whence it ascended into the cavities of the head-I at condensation takes place. It was also observed once concluded the only remedy was to apply something that would keep off the flies-for which purpose I had every sheep old and young caught, From these observations, it appears, that the and the nose of each up to the eyes smeared with object of crimping is first to retard the natural tar-they were then turned into the same fieldstiffness of the muscles, and then by the sudden On going among them the next day, I found the application of tar had far exceeded my expectation; for they were feeding in great comfort, the flies having entirely left them at liberty to do so. Since that time I have not omitted to have my sheep tarred in the same manner in the months is a large one. In this part of the state, it has of May, and June, and have never seen a worm the rot, a disease in the plant which prevails in a sheep's head since that season,

> I am respectfully yours, &c. JOHN H. RIGGS.

September, 11th, 1824. P. S. If you think the above worth a playour paper, you are at liberty to insert it. P. S. If you think the above worth a place in

> TO RAISE NEW VARIETIES OF POTATOES FROM THE SEED.

Gallatin, (Tennessee,) Aug. 23d, 1824.

Sir,-I observed in your paper directions how butchered, or attended to it, for my own table, to raise new kinds of potatoes from the seed of and have no recollection of ever having killed the Potato Apple; but I do not approve of the one in the summer season, without finding more, or less, of the worms described by Mr. Reed, (in the head) until within the last ten years; some a number of Potato Apples when ripe, and time in the summer of 1814, I killed a very fine squeezed them down in a basin of water and fat lamb, and on opening the head, found an un-washed the seed, then dried them in the shade, usual number of worms of various sizes—I was then put the seed in paper and sowed them in the thereby induced to try to find out how they origi-spring. When the plants got to have 4 or 6 leaves, transplanted them in rows, giving them the same them in a tumbler, with some warm moist earth, distance that other potatoes have; hilled them and tied thin linen over the top, then placed the several times, and I had some potatoes as large tumbler in a warm and airy situation, where it as ducks eggs. Some were very small, but there remained about two weeks, before I examined it. was a variety of kinds. I have some potatoes On taking it down, I found a dark grey coloured growing this year that I managed in the same way, fly, nearly as large as a honey bee, in it, in shape and they look very well. They ought to have 9 very much like the common house flies, except inches distance in the row, the rows about 2 feet the head which was larger in proportion to its apart. -In a word, I think the best way is to. size, without proboscis or mouth to be discovered squeeze the seed out of the apple, dry them in the

found three more, precisely of the same size, co brought to this city, from Salina, under the name drought will pay the expenses—to say nothing of lour, and form, had made their appearance; being of Kelh, has undergone a chemical analysis by of Kelp, has undergone a chemical analysis by overflowing your stables, hogpens, stercorary—Professor Griscom, and is found to consist of mu-making duck ponds, and filling reservoirs for flies, I took the cover off the tumbler, and turned riate of soda (common salt,) sulphate of soda, cattle.

be of a fine red colour, the eyes glistening, the out its contents, and discovered that each worm sulphate of lime, carbonates of soda and lime, scales brilliant, and the whole fish should feel had passed into the chrysalis state without cast- with a very small portion of said, the whole

A company has been formed in England to essome port in the Mediterranean to India. The port now in contemplation is Marseilles-and it is computed that the passage from thence to Bombay, might be effected in 25 days. The following are the distances and estimated rate of travel:-

Dist. of Milesa Days. Hours. Marseilles to Malta 690 5 Malta to Alexandria 840 4 Alexandria to Cairo 2 73 Cairo to Suez Suez to Mocha 1160 5 3 16 Mocha to Scocotra 720 Scocotra to Bombay 1170 5 17 10

Editorial Correspondence.

Extract of a letter, dated Raleigh, (A. C.) Aug 19, 1824.

"The crop of cotton from the Roanoke south, when there is an abundance of raio, and also when the plant suffers for the want of it-the cause therefore is yet to be learned by me at least. The plan recommended to prevent the rot by a gentleman thro' the "American Farmer," of cutting round and separating the bark of the plant, would be too tedious an operation, ever to be practised to advantage. If the rot should prevail in the cotton in the states south of us also, I am not so sure but it will be an advantage to the planters there as well as to ours-but for the rot or the rust &c. &c. the crop would be too abundant-perhaps more than the consumption of the article-and if one sixth is destroyed by rot or other disease, the five sixths will bring more in amount .- For if it be ascertained that the crop is to be one sixth more than that of last season, I should expect the article to command not more than 10 or 12 cents; whereas, if the growing crop be not greater than that of last year, the article will maintain its present price of 14 or 15 cents."

THE NEW MODE OF OBTAINING WATER.

A correspondent near New Brunswick, New-Jersey, writes thus to the Editor, under date of September 14th.

You have noticed the new mode of obtaining water, by Levi Disbrow. He commenced on my farm about a month since, and I have no doubt of success. You can easily appreciate the advantages of such a stream of water on a farm. by the naked eye, from which I supposed that shade, and put them carefully away until spring. Mr. Disbrow works at his own risk; when water is obtained I am to pay him at the rate of two Kelh.—The new article of commerce lately I must pay him 500 dollars—one summer of

ROT IN COTTON.

Quachita Farmer, on the subject of the rot in liberal. cotton. The writer states that his friend was directed, when in France, to make "an incision near the roots," which "was tried without
success." The method presented by Mr. Pomeroy, is to remove a ring of bark, leaving the sapwood bare and uninjured.

We think the result of experiments very ably conducted by Dr. Bracey, and communicated to a committee of the Claremont Agricultural Society ryland, a very convenient opportunity of attendof South Carolina, go far to establish the conclusions advanced by Mr. Pomeroy, as the following be one of the most extensive and interesting extract will show: "On a spot of luxuriant cot- of that character, which has ever been held this experiments, such as taking away the bud, twistspread no farther."

See American Farmer, vol. V. No. 4.

----FROM THE MOHAWK HERALD.

Farmers, take warning !- The steel-pointed rod prefixed to the barn of Mr. William Bunn, of Florida, New-York, was struck with lightning on Friday, the 30th ult. Several of the labourers were in the barn-the shock was tremendous, but the destructive element was conducted harmless to the foot of the rod.

Barns at this season of the year are more liable to be struck, than any other buildings of the same height, as they contain large quantities of vegetable matter, constantly emitting a steam, which, rising in the air, serves as a conductor to the lightning. The trifling expense of a lightning rod, and the security which they afford, should to his barn, where so much of his treasure is deposited.

for manufacturing,

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Grape Vine .- The New-York papers mention a grape vine belonging to Mr. Shatzel, in that grape house of about 25 to 33; the clusters on which have been lately counted, and found to exceed 700 in number. It is the white or Madeira grape.

THE FARMER.

In the last Farmer we inserted a letter from an American Farmer for the terms, which will be

THE PENNSYLVANIA CATTLE SHOW.

The location of the next Pennsylvania Cattle Show will afford to the Agriculturists of neighbouring States, especially of New-Jersey and of the Eastern and Western Shores of Maing an exhibition, which, we are confident, will ton, which I had observed to rot rather worse than side of Worcester, in Massachusetts. It will be the rest of the field, I was induced to try various seen by the official notice, in this number of the experiments, such as taking away the bud, twist-Farmer, that the Cattle Show will take place at ing the branches, wounding the stalk, breaking CHESTER, on the margin of the Delaware, some ber next, and the session of some of the neighthe limbs, &c. I found when vegetation was, by distance above New-Castle-of course, gentlemen my means, interrupted, the rot was uniformly may even leave Easton, in Maryland, in the morn-checked, and the wounded pod either healed up or ing, get on board the steam-boat here in the afternoon, be at Chester the next morning at 7; stay six or seven hours; see every thing on the ground; and, if they choose, return the same day to Baltimore. We doubt not that a large party will go on; we know of many who have already

> military uses, especially such as are of approved ner and with the same arrangements in all other colour, with flowing mane and tail, would, in all respects as have heretofore been published. probability meet with a ready sale in this city, at high prices, if they were here before the arrival of Gen. La Fayette. F We take this occasion to express our satisfaction at having ascertained, that an establishment of great publick importance and convenience exists here under the skilful management of Messrs. Budd & Fenner.

The owners of valuable young horses, who wish to have them properly broken, to the saddle and induce every farmer immediately to put one up harness, have only to commit them, let them be never so vicious, to the care of Messrs. Budd & Fenner, at their stables in Liberty-street, and for the sum of ten dollars, they will undertake to Flax Machine. - A Mr. Roumaga, of N. York, break and train them in a manner which ensures has advertised that he has invented a Machine all practicable grace in their movements, docility for dressing flax, by which (with only a half size in their temper and safety in their habits. It machine) a man and a boy may break 400 wt. of strikes us that such an institution, conducted as flax in a day. The flax is taken to the machine we know theirs is, with strict personal attention 4. Same, (professional gentlemen and others.) \$15. without preparation, and by a simple operation is and a thorough mastery of their business, ought broken without injury to the fibre. The bleach- to prove a great convenience to the owners of vaing is effected by another process, and also with- lnable horses, in the country as well as in town. out resorting to acids or corrosives, is prepared It is for the sake of serving the publick that we give notice of this establishment rather than to the Student to every advantage, the Moot Court benefit individuals, of whose particular merit and excepted, for which there is a distinct fee) will skill we have the highest opinion.

Flour, Howard-St. S5 37, wagon price—do. Susquehannah, S5, cargo price—Do. Wharf 4 75 a \$5 Wheat, white, \$1 5—Do. Red, \$1—Corn, white, BALTIMORE, FRIDAY, SEPTEMBER 24, 1824.

34 a 35 cts.—do. yellow,—; Rye, bushel, 40 cts.—Corn Meal, brl. \$2—Rye, per bus. 37 cts.—Oats, 19 cts. cargo price—B. E. Peas, 50—White Beans, 100—Whiskey, 27 cts.—Apple Brandy, 25 cts.—Baltimore, on the Frederick turnpike. The tavern is a commodious stone building. The Maryland Cattle Shows are held there for three days in succession, annually; and no place, if well kept, is better calculated to attract custom. About half the land is in wood—the rest well improved and all well inclosed with outside and division fences.

34 a 35 cts.—do. yellow,—; Rye, bushel, 40 cts.—Contest.—Corn Meal, brl. \$2—Rye, per bus. 37 cts.—Oats, 25 cts.—Oats, 25 cts.—Oats, 26 cts.—Oats, 26 cts.—Apple Brandy, 25 cts.—Oats, 26 cts.—Apple Brandy, 25 cts.—Apple Brandy, 25 cts.—Da. 26 cts.—Apple Brandy, 25 cts.—Do. 0. 1, \$2 25—No. 2, 25 cts.—Do. 0. 1, \$2 25—No. 2, 25 cts.—Do. 0. 1, \$2 25—No. 2, 25 cts.—Apple Brandy, 25 cts.—Do. 0. 1, \$2 25—No. 2, 25 cts.—Apple Brandy, 25 cts.—Do. 0. 2, 25 cts.—Apple Brandy, 25 cts.—Do. 0. 1, \$2 25—No. 2, 25 cts.—Apple Brandy, 25 cts.—Do. 0. 1, \$2 25—No. 2, 25 cts.—Baltion of the Pennsylvania Agricultural Society at their Anniversary noetting, on 31st Aug. 1824: By Davin Hosack, M. D. F. L. S.—Second Exhibition of the Pennsylvania Agricultural Society at their Anniversary noetting, on 31st Aug. 1824: By Davin Hosack, M. D. F. L. S.—Second Exhibition of the Pennsylvania Agricultural Society at their Anniversary noetting, on 31st Aug. 1824: By Davin Hosack, M. D. F. L. S.—Second Exhibition of the Pennsylvania Agricultural Society at their Anniversary noetting, on 31st Aug. 1824: By Davin Hosack, M. D. F. L. S.—Second Exhibition of the Pennsylvania Agricultural Society at their Anniversary noetting, on 31st Aug. 1824: By Davin Hosack, M. D. F. L. S.—Second Exhibition of the Pennsylvania Agricultural Society at their Anniversary noetting of the Pennsylvania Agricultural Society at their Anniversary noetting of the Pennsylvania Agricultural Society at their Anniversary no 34 a 35 cts.—do. yellow, —; Rye, bushel, 40 cts.-

of post and rail. Enquire of the Editor of the |con, 6 a 7 cts.-Leather, Best Sole, 24 to 27 cts.-Feathers, live, per lb. 30 a 35-Cotton, Louisiana, 16 to 18 cts .- Georgia, Upland, 15 to 17 cts .- Ala-The Lancaster Gazette will please insert the bama, 13 to 15-New Wool, 30 to 35 cts.-Merino full blooded 35 to 40 cts.—\(\frac{1}{2}\) do. 30 to 35 cts.—\(\frac{1}{2}\) do 25 to 28 cts.—Common, 20 to 25 cts.—25 per cent, more when well washed on the sheep and free from tags—Coal, pit, foreign, 40 cts.—Virginia, do. 20 to 25—Susquehannah, do. 6 50 to \$7 Lime, bushel, 30 to 33 cents.

Cattle Show.

By the Board of Trustees of the Maryland Agricultural Society for the Eastern Shore, Sep-

tember 2d, 1824.

The Board considering that the Election of Electors of President and Vice President of the United States on Monday the 8th day of Novembouring County Courts about the same period, may very much interfere with the arrangements of the Cattle Show proposed to be exhibited on the 4th and the two following days of the same month, and prevent the attendance of distant residents and members, have

RESOLVED, That the CATTLE SHOW AND FAIR for the Eastern Shore be postponed to Thursday, agreed to join in an excursion, which cannot fail Friday and Saturday the 18th, 19th, and 20th of to be very agreeable and highly instructive. public papers that the Cattle Show and Fair will Persons owning young horses, suitable for be held at Easton on these days in the same man-

N. HAMMOND, Chairman.

Law Lectures and Law Institute.

For the information of those at a distance, the

fee now established, is as follows:

1. Law Institute.—This comprehends office accommodations, use of an extensive Law and miscellaneous Library, direction of studies, private examinations, private readings occasionally, and public lectures five a week for four months, commencing first Monday in October, in every year, fee \$100 per annum.

Law Institute.—For those who enter only during the four months of public lecturing, fee \$50. 3. Public Lectures alone, for Students at Law, \$30.

Moot Court alone, \$20.

6. Moot Court and Lectures, \$40

The fee of the Law Institutute (which entitles always remain the same. As the Course of Lectures will annually increase, until ten months daily for two years will be occupied in the delivery city, only four years old, which covers a frame PRICES OF COUNTRY PRODUCE—careful- of the course, the fee for those who do not attach ly collected every Thursday, for the American themselves to the Institute, will be annually in-Farmer. By ROGERS & STMINGTON. themselves to the Institute, will be annually in-creased until it amounts to \$100 per annum for Flour. Howard-St. \$5 37, wagon price—do. Sustine entire course DAVID HOFFMAN,

Baltimore,

CONTENTS OF THIS NUMBER.

AGRICULTURE.

USE OF THE SOIL.

Correct views of the office of the soil disclose sible. the rationale of approved modes of tillage; if one which are experienced to be beneficial, a princi-

nutriment: In these relations, the soil ought to rate in the same manner as manures. contain a certain proportion of common vegetable on analysis; it ought again to be easily permeable to air, also porous, for the percolation of water, and passage of fluid manures; well fitting for allowing a plant, by the fine tubes within its roots, cluding marle, chalk, and chalky sand; 4. The to derive sustenance slowly and gradually from magnesian, i.e. Magnesia, a stone sometimes misthe dissolved and soluble substances mixed with taken for common limestone, but when burnt and a sandy, or a chalky loam. the earths.

which they flourish most. The plants that have beneficial, will be afterwards explained. bulbous roots require a looser and lighter soil than such as have fibrous roots: and those of the latter, which have short and slender fibrous radicles, demand a firmer soil than such as have tap soils by the pulverization of rocky materials. roots or extensive lateral roots. Hence, when successive crops of the same plant have drawn out from a soil the peculiar properties most adapted to its individual nature, the bed of earth becomes less fit for the same plant, until it has been rested and recruited: while it may be fitter for some other plant of a different constitution than it originally was; though exhausted in regard to the crop which it has long borne, it may be fresh (introduction to the KITCHEN GARDEN, under ble. the head Rotation of Crops,) are more or less applicable to all the branches of Gardening and Agriculture.

BASIS OF SOILS.

service of agriculture, by publishing his scien piece of land, is but as 8 to 42, compared with the researches into the composition of earths, and the true food of plants. With the object tain, and yet barely deserve the denomination of of founding a course of agricultural improvement on fixed principles, he has communicated, in the Elements of Agricultural Chemistry,* some very important results from a systematic train of experiments. We propose to lay before the read er the substance of his leading conclusions, di vested, as much as possible, of chemical terms; and to review the peculiarities of his system with the same branch of rural economy.

on the principles of many other arts; it therefore earthy deposit when boiled. becomes necessary, in sketching an outline after "TREATISE ON SOILS AND MANURES him, which shall embrace only the department of portion of clay, and sometimes of peat, with a agriculture, to connect the extracts by details and

"Soils, in all cases, consist of, either a mixture mode is found superior to another, they lay open of finely divided earthy matter, +-or of earthy the cause of it; and proceeding from courses matters not reduced to powder, such as gravel and other stones; more or less combined with deple is thus obtained for extending their application, composed animal or vegetable substances; saline One great use of the soil, is to afford a bed for ingredients, also, frequently lodge in a soil; and the plant, and a cover for its roots from the sun the earthy matters are frequently accompanied and from the wind; while the roots, by taking with the oxides of minerals, particularly the hold of the ground, act as stays and supports for oxide of iron. The earthy matters form the trunk of the plant. A second important of true basis of the soil; the other parts, whether fice is that both of a depository and a channel of naturally present, or artificially introduced, ope-

Four Earths generally abound in soils: § 1. The applied to land it is much longer in passing from As the systems of roots, branches, and leaves, a caustic to a mild state, and under most circumare very different in different vegetables, so spe- stances is highly pernicious to vegetation. The

> The above are the only earths which have been hitherto found in plants.

Other primitive earths sometimes enter into

TERMS FOR SOILS DEFINED.

The popular terms for soils are seldom applied with precision. What one man calls a marle, another will call a clay; and so on. But if a general circulation and acceptance could be obtained for the principles of definition judiciously laid down by Professor Davy-according to which a soil is to be styled a clay, sand, or chalk; a marle, loam or peat; or a compound of these—the challry, oxide of from be found in the son, the loam or peat; or a compound of these—the challry dom any occasion to notice it in the name; in for a new sort of vegetable. In short, the principles laid down in the "Practical Gardener," rather intelligi-

In framing a system of definitions, a soil is to take a particular denomination from a particular kind of earth, not exactly in proportion as that forming the basis of the soil, but rather in pro-Sir Humphrey Davy, an illustrious ornament portion to the influence which a particular kind of the English school of Chemistry, is not more of earth, forming part of the staple, has on tillage distinguished by his discoveries in philosophy, and vegetation. Thus, as clay is a substance of than by seeking, with true ambition, to make which a comparative small quantity will give a profound knowledge subservient to the common cold and stubborn character to a soil, the name arts by which the common wants of mankind clayey is ofcen properly bestowed, where the quanare supplied; he has contributed largely to the tity of pure clay to be collected from a given piece of land, is but as 8 to 42, compared with

sandy.
"The term clayey should not be given to a soil which contains less than one-sixth of aluminous matter;" because less than that will not be at tended with the common effects which govern the culture, and limit the crops, for a clayey soil.

The epithet sandy is not an appropriate distinction for any soil that does not contain at least candour and independence; concentrating, for seven-eight parts of sand; and sandy soils are to unity of method, scattered articles belonging to be distinguished into siliceous sandy or flinty sand, and calcureous sandy or chalky sand.

The word calcareous, or any denomination im-* This work, which will be frequently referred plying the presence of mild lime or chalk, is not found strongly to effervesce with acids, or unless

† Ibid. p. 15. ‡ Ibid. pp. 111, 123. § Ibid. p. 15.

In the extensive field of his inquiry, he touches, water having a channel in the soil affords a white

mixture of marine sand and animal remains; the observations for which Sir H. Davy is not respon- lime having originated, for the most part, from the decomposition of sea-shells.

> A soil may be treated as magnesian, where but a small comparative quantity of magnesian stone s present; as will be explained in treating of imagnesia as a manure.

The combination of animal or vegetable matter in an inferior proportion with earthy matter, but not lower than one-sixth, makes a loam: the word loam should be limited to soils containing at least one third of impalpable earthy matter (distinguishable by the touch from sand, chalk, or clay,) combined with decayed animal or vegetable substances not exceeding half the weight of basis, and of peculiar substances found in plants aluminous, i. e. Clay, including alum; 2. The the more earth; the earthy matters may comprehend aluminous, siliceous, or calcareous ingredients, and in some cases be mixed with mineral oxides: according to the proportions of which, the soil may be red loam, brown loam, or black loam; and in regard to the basis, a clayey loam,

A superior proportion of vegetable matter, that is to say, an excess of this above half the bulk of are very different in different vegetables, so spe-stances is highly pernicious to vegetation. The the earthy basis, makes a heat. To bring this cific plants have a preference for peculiar soils in small proportion in which it may be sometimes kind of soil into successful cultivation, the quantity of vegetable matter must, in most cases, either be reduced or counterbalanced by the admixture of some of the simple earths.

> Where a slight tincture of any particular mineral substance has a strong effect on vegetation, this quality should be indicated by a corresponding word prefixed to the principal name for the soil. Thus the presence of either salts of iron, or sulphate of iron, ought to be marked by prefixing the term ferruginous to the denomination taken from the basis, to remind the cultivator that the effect on vegetation will be pernicious, unless he has recourse to an effective remedy. If on the contrasmall quantities, it forms a useful part of soils, and has been found to constitute from a 15th to a 10th part of several highly fertile fields; it is found in the ashes of plants. To persons unacforming the basis of the soil but rather in pro-that salt of iron exhibits the crystals obtained from iron by the action of an acid fluid. Sulphate of iron is Copperas, a native kind of which is produced in some soils by the effect of the springs and earths on each other. Black oxide of iron is the substance that flies off from red-hot iron when it is hammered. Iron appears to be only hurtful to vegetation in its acid combinations. See *Tests* of Soils.

IMPROVEMENT OF SOILS.

Almost all the expedients for improving, enriching, or correcting a soil, known to agriculturists, may be comprehended under one of the following heads :-

- 1. The admixture of Earths to improve the Texture of the Soil.
- 2. Draining.
- 3. Paring and burning.
- 4. Turning in Green Crops as Manure.
- 5. Fallowing.
- 6. Irrigation.
- 7. Applying Earths as Manures.
- 8. Introducing Mineral or Saline Elements as Manures.
- 9. Manuring with Refuse Substances not excrementitious.
- 10. Manuring with Excrementitious Substances.

to, is entitled Elements of Agricultural Chemistry, properly applied unless a specimen of the soil is in a Course of Lectures for the Board of Agriculture: By Sir Humphrey Davy, LL.D. F.R.S. &c. &c &c. 8vo. American, 1820. Vol., 6.—28.

By the Admixture of Earths, to improve the Texture of the Soil.

This is a distinct thing from applying Earths as a manure. It is of avail in proportion as the smallness of the tract, or the value of the plant, to be cultivated, allows the free introduction of new earths, until the staple of the land is composed as desired. Almost all sterile soils are capable of being thus improved; and sometimes the latent pernicious quality which destroys the value of an extensive tract of land, can be corrected without much expense.

The best constitution of a soil, is that in which the earthy materials are properly balanced, so as to combine as many advantages of different ingredients as are compatable, and so as to obviate the defects attending any single kind of earth.

The ground, or basis of the soil, should be well adapted for the admission of air, and for the peradapted for the admission of air, and for the per-parts in 500) that it may be apprehended some for a full and accurate knowledge of the grounds considerable substance, convertible into food for on which success may be expected, or the causes

A well-tempered aptness in the soil to absorb water from air, and to retain it in a latent form, is clearly connected with fertility. The power' to absorb water by attraction, and to hold moisture without being wet, depends on the mechani cal structure of the particles of earth, and the balancing effect of different earth. Thus sand will attract moisture, but will not keep it long under the influence of heat. Clay will long retain water which has fallen upon it, and always keep moist under a humid atmosphere; but in continued dry weather, with summer hearts, the surface of it, being baked into an almost impenetrable crust, is little capable of absorbing moisture.— Hence crude clays form equally bad lands in extremely wet or extremely dry seasons. Chalk is on the nutritive power of the soil. of a middle nature, in this respect. It results, that the soils best adapted for supplying the plant! with moisture by atmospheric exhaustion are verized chalk, with a proportion of animal or vegetable matter.†

a less degree.

A soil is neither fit for tillage nor pasture, if it consists entirely of impalpable matters,† or of pure clay, pure silica, or pure chalk. Sand may abound in a higher proportion than the more tenaccous earths, without causing absolute barren-quired from artificial causes, can, in the great ness. Thus a tolerable crop of turnips has been majority of cases be sufficiently determined by raised on a soil of which eleven parts in twelve taking up portions of earth in different parts of a were sand. A good turnip soil from Holkham was field, regarding the soil as a separate layer from found to contain 8 9 parts of siliceous sand. If the subsoil, or strata undisturbed by cultivation; the quantity of impalpable earth and finely divi- and examining these by the common lights which ded organic matter be a little increased beyond persons employed in agriculture have derived what a sand plant requires, it will suffice for good from experience. But when the nature of a virreturns of barley. Although wheat depends more of a rich stape, happing of the constituted apel of said; the rest was chalk, silica, and parently like it make good returns under similar clay, pretty equally distributed, with a proportion treatment; it is proper to have recourse to the of organic matter so surprisingly small (only 22 aid which modern chemistry offers to agriculture, a growing plant, might be included in the chalk, of failure explained and rectified. Chalk may in the next degree form the predonderating earth of good soil. A large portion of England is chalk; and many of the districts where large enough to weigh a quarter of a pound of it is the staple earth, liberally repay cultivation *

The Warp-land (alluvial soit) in the East Riding of Vorkshire, is a strong clayey loam, the responding with the same limits; a wire sieve, fertility of which can hardly be equalled. The just coarse enough to pass mustard-seed; a comsediment gradually adding to the depth of this mon kettle, or small boiler; an Argand lamp and warp-land, being brought from the higher country by the numerous rivers and streams which open into this common estuary, is composed of a variety of substances. Decomposed vegetable and ting-paper, folded so as to contain a pint of liquid, animal matter should be from one-eighth to a fourth of the bulk of the earthly substances, ac-

Many soils (observes Sir H. Davy) are in popular language distinguished as cold; and the diswith moisture by atmospheric exhaustion are compositions* of sand finely divided clay, and pul-founded on prejudice, is as just on philosophical of potassa; succinate of anmonia; nitrate of am-There is besides, in particular earths, an agen-bing a much greater degree of heat from the rays cy subservient to vegetation, which depends on of the sun; and of soils, brought to the same dechemical affinities, in those earths, for elemental gree of heat, some cool much faster than others, perfect analysis is from 200 to 400 grains ry substances floating in the air, or deposited in Soils that consist chiefly of a stiff white clay, take the soil. Thus, both pure clay and carbonate of heat slowly; and being usually very moist, they lime have an attraction for volatile oils and solu-retain their heat only for a short time. Chalks tions of oil and saponaceous matters, and for much are similar in being slowly heated; but being dri-of the pulpy stuff first disengaged from organic er, they retain heat longer. A black soil containremains. Hence a limited proportion of these ing much soft vegetable matter, if the site and as earths contributes to form a rich and generous pect dispose it to dryness, is most heated by the clay, of sand, or of lime. In proportion as a soil; because they long preserve in their pores sun and air: all the coloured soils, especially those is light, it may be presumed to be rich. Before the prepared nourishment of vegetables, parting containing much carbonaceous matter (charcoal,) a soil is analysed, the other physical properties with it gradually as it is drawn by growing plants, or ferriginous matter (iron,) are disposed for ac-and refusing it to the fainter action of air or water. quiring a much higher temperature than fale-The properties of a soil may be aggravated or coloured soils. When soils are perfectly dry, tempered by the nature of the Subsoil. When those that most readily become heated by the the upper layer rests upon a bed of stone, or of solar rays, likewise cool most rapidly. Moisture flinty gravel, it is much sooner rendered dry by without fermentation retards the accession of heat, evaporation; an effect which is beneficial, or and accelerates its escape. The faculty of ab otherwise, as the climate is moist in excess, or sorbing and retaining moisture has been already inclined to aridity. A clayey foundation counter-brought under notice. The method of detecting acts the readmess of flinty sand to part with mois- the presence of some ingredient in the soil which ture to a drier climate; so does a bed of chalk in the eye cannot perceive, and which escapes the the fingers, is by having a specimen of the earth colour, or rusty brown, of such cubical dimensions as may be thought 1. Measure of absor of such cubical dimensions as may be thought 1. Measure of absorbent power by the dissipa-proper, dug out; and finding the materials of it tion of latent water .—After soils have been dried by various chemical tests.

† Elements of Agricultural Chemistry, p. 133 * Mr. Strickland states the remarkable fact, that the great vein of chalk terminates in the East Riding of Yorkshire; and beyond it northward, no chalk is found in the island. See also a Maj. ble or eropping manure; by which the clay should Delineating the Strata of England and Wales, constitution, let it be heated for ten or twelve be reduced to one-sixth or lower.

with part of Scotland: By W. Smith. 1815.

minutes over an Argand's lamp, till its tempera-

TESTS OF SOILS

For the common purposes of agriculture, the natural constitution of a virgin soil, or the state of improvement which land under tillage has acgin soil is entirely unknown, no previous trials of on a rich staple, happily the constituents of land its powers having been made; or when a cultiva-

> The instruments required for the analysis of soils are few, and of small cost :- a pair of scales, common earth, and so delicately exact as to turn when loaded with a grain; a set of weights, corstand; two or three Wedgwood crucibles; evaporating basius; a pestle and mortar; a bone knile; some filters, made of half a sheet of blot-

and greased at the edges.

The principal tests, or chemical re-agents for cording to the dependence of the expected crop separating the constituents of the soil, are: Muriatic acid (spirits of salts;) sulphuric acid (oil of vitriol;) pure volatile alkali, dissolved in water; solution of prussiate of potassa; solution of principles as it is consonant to the experience of monia; solution of carbonate of ammonia; soluthe farmer. Some soils are constituted for imbition of muriate of ammonia. Dry carbonate of potassa is sometimes wanted in fusing earths.

The quantity of soil conveniently adapted for a should be collected in dry weather, and exposed to the atmosphere till it becomes dry to the touch.

Independently of regular analyses, the specific gravity of a soil assists to indicate the quantity of animal and vegetable matter it contains; because the atoms of either are lighter than the atoms of of it should also be examined; because they denote, in a sensible degree, the sorts of earth in its composition, and serve to guide the order in which the chemical tests are applied. Siliceous soils are generally rough to the touch, and scratch glass, when rubbed upon it; calcureous soils (besides effervescing with acids, a trial to be afterwards described,) when in the shape of sand, do not scratch glass; and clay, while it is generally distinguishable by the touch, neither scratches the eye cannot perceive, and which escapes the glass nor effervesces with acids; ferruginous touch when a portion of mould is rubbed between soils are, for the most part, of a red or yellow

by continued exposure to the air, they still contain a considerable proportion of water which adheres to the earths, and to the animal and vegetable rudiments, in such obstinate combination, that it can only be driven off by a high degree of heat. To free a specimen of soil from as much of this water as may be, without otherwise affecting its

^{*} Elements of Agricultural Chemistry, p. 141. The compound of earth, which seems every where most favoruable to vegetation, is that which consists of one-third of chalk, hulf of sund, and a fifth of clay: from a Paper on the Chemical Ana. lysis of Soils, translated from the Italian of Fub-broni, by Arthur Young, Esq. (Annals of Ag-riculture, vol. viii. 173.) "A fifth of clay:" this proportion is too large; independent of consuma

heat were applied, the vegetable or animal mat- cult part of the assay. ter would be decomposed, and all the following train of experiment be rendered illusory.

be noted, as indicating the absorbent power of of water. Let the mixture remain for an hour proportion of vegetable rudiment. It will accelethe soil. Supposing the specimen to have pre- and a half, stirring it frequently. viously weighed 400 grains, the loss of fifty (or vegetable or animal matter, or a large proportion any alumina.

The fluid should be passed through the filter, atoms of earthy matter, comprehending alumina. dication is equivocal; but the tests to follow will. Then let the solid matter be collected, washed and silica, combined with oxide of iron, or of decide. When the loss is only from a twentieth with rain water, dried under a moderate heat, manganesum. to a fortieth part of the whole, the soil is but and weighed. The loss denotes the quantity of slightly absorbent, and siliceous earth probably solid matter taken up. forms the greatest part of it.

for they participate, in different degrees, in that lution of prussiate of potassa and iron. It a blue weighed. power of absorbing moisture which affects the fertility of land. After the process of heating, detach these; by bruising the soil gently in a mortar, and passing it through the sieve. Take separate minutes of the weights of the vegetable
and heated red. The result is oxide of iron, with
the process and from the presence of t fragments, and of the gravel and stones; distinguishing the nature of the latter. If calcareous, guishing the nature of the latter. If calcareous, 111. Test of Lime suspended in a Fluid:—also of manganesum. Heat the oxides to redness, and they will effervesce with acids; if siliceous, they of Magnesia.—Having taken out all the mineral then weigh them.

lime and flint.

ber of soils contain varying proportions of sand of alkaline salt. more or less granulated. It is necessary to separate the sand from the impalpable or more finely divided matters; such as clay, loame, marle, ve- at a heat below that of redness. getable and animal atoms. To do this, boil the sifted mass in four times its weight of water: when the texture of the soil is broken, and the will be thrown down, combined with carbonic red for half an hour. The mass indestructible water cooled, alternately shake the sediment in acid. To bring it into a state for being weighed, by heat must then be dissolved in muriatic acid, the vessel, and suffer it to settle; for in subsiding, the different parts will be distributed in layers. Thus treated, the coarse sand will generally se parate in a minute, and the finer in two or three minutes, while the infinitely small earthy, animal, or vegetable matters, will continue in state of me chanical suspension; so that by pouring the water from the vessel after three minutes, the sand will be found divided from the other substances. The other substances, with the water containing them, must be deposited in a filter, to be analysed as under 4. Meanwhile the sand is to be examined, and its quantity registered. It is either calcareous or siliceous; and its nature may mostly be detected as that of stones and gravel, without a minute analysis. If it consist wholly of carbonate of lime, it will rapidly dissolve in muriatic acid, with effervescence; but if it consist partly of this, and partly of siliceous sand, the latter will dissolved.

4. Analysis of the Finely-divided Matters .-The water passing through the filtre is to be pre-

ture attain 300° of Farenheit. If a thermometer will be found to contain them. Meanwhile the be not used,* the proper maximum of heat may fine solid matter left on the filter must be collect-be measured by keeping a piece of wood in con- ed, and dried. This is usually a compound extact with the bottom of the dish: While the co-ceedingly multifarious; it sometimes contains all flour of the wood remains unaltered, the heat is the four primitive earths, as well as animal and one excessive: as soon as the wood begins to be vegetable matter. To ascertain the proportions quantity of substance destructible by fire and air. charred, discontinue the process. If a higher of these with tolerable accuracy, is the most diffi-

By this time, if any carbonate of lime or of magan eighth part) denotes a soil absorbent and re- nesia existed in the soil, they will have been distentive of water in the greatest degree; such a solved in the acid; which sometimes takes up soil will generally be found to contain either much likewise a little oxide of iron, but very soldom

2. Test of Iron.-Add the washings to the so-2. Separation of gross Fragments.—Loose stones gravel, and vegetable fibres, are carefully kept in made so by the addition of fresh acid. The test treatment, may be considered as siliceous. Let now to be added to the whole, is some triple so it be collected on the filter, washed, dried, and perhaps a little oxide of manganesum.

will scratch glass; and if aluminous, they will be oxide, next pour into the fluid a solution of neueasily cut with a knife, and will refuse the tests of tralized carbonate of potassa, continuing to do so solution by the first test, that of muriatic acid,

The precipitate that fails down is carbonate of lime: it must be collected on the filter, and dried

The remaining fluid must be boiled for a quar-

treat it as the carbonate of lime.*

ployed in the first test, it will be found with the carbonate of lime in the precipitate obtained by the third. To separate it from the carbonate of muriatic and sulphuric solutions above. Where lime, boil it for a few minutes with as much soap the soil to be analysed contains stones of doubtful lye, or solution of caustic soda, as will cover the composition, this process is well fitted to detersolid matter. Soap lye thus applied dissolves alu-

step is to ascertain the quantity of insoluble ani-ter, or soluble vegetable and animal rudiments, mal and vegetable matter which the residuum existed in the soil.

contains.

Set it in a crucible over a common fire; and to expose new surfaces successively to the air.

When the smell emitted during the incineration resembles that of burnt feathers, it is a certain 1. Test of Lime in a solid state -Of muriatic indication either of animal matter or of some subacid take twice the weight of the promiscuous stance analogous to it; on the other hand, a copi-The loss of weight in the soil thus dried should soil; and dilute the acid with double the measure our blue flame uniformly denotes a corresponding rate the destruction of matter decomposable by ignition, to throw gradually upon the heated mass some nitrate of ammonia, in the proportion of one-fifth to the weight of the residual soil.

VI. Separation of the Parts indestructable by

To separate these, boil them in little more than their weight of sulphuric acid, diluted with four times its weight of water.

dissolve the alumina, and to precipitate the oxide

Should any magnesia and lime have escaped ne and flint.

3. Separation of the sand.—The greater num taste and smell of the mixture indicate an excess the sulphuric acid. Their quantities are ascertained by a similar process to that above.

(Course sometimes substituted for " V. and VI." -If very great accuracy be the object, dry carbonate of potassa must be employed as the agent; of which four times the weight of the subject ter of an hour; when the magnesia, if any exist, must be put with it into the crucible, and heated and the solution evaporated till it is nearly solid. IV. Test of Alumina incidentally dissolved and In this state, add to it distilled water, by which precipitated.—If any minute proportion of alumina should have been dissolved by the acid emaca, will be dissolved in combination as muriates. ca, will be dissolved in combination as muriates. The silica, after filtration, must be heated red .-The other substances are separated as from the mine their character.)

mina without acting upon carbonate of lime.

V. Measure of the Matter destructible by RedThe water first used for boiling the earth as unheat.—After the finely-divided promiscuous soil der I. 3. (and which was directed to be kept for a has been acted upon by muriatic acid, the next separate trial) will contain whatever saline mat-

This water must be evaporated to dryness at a heat below boiling.

If the solid matter obtained be brown in colour and inflammable, it may be regarded as vegetable extract, unless in combustion it emit a smell like served; for if any saline particles or soluble aniis neither so easy to describe, nor so cheap to prac
mal or vegetable elements existed in the soil, it
title in occasional experiments, as that above. In
an outline like this, for popular use, it is therefore
with any salt is detected in a solution of baryta
by a dense white precipitate. Salts of lime as-

^{*} In case the soil be sufficiently calcarrous to efbe found unchanged after the acid dissolving the fervese very strongly with acids, Professor Davy lime has ceased to effervesce. This residuum gives us a method of measuring the quantity of must be washed, dried, and heated strongly in a carbonate of lime, by collecting the carbonic gas that of burnt feathers, which indicates animal or crucible. Its weight is then ascertained by the expelled by the acid in a paramatic apparatus de-balance; and that, deducted from the weight of scribed verbally in the Lectures, p. 116. This gas taline, and not destructible by heat, it may be balance; and that, deducted from the weight of scribed verbally in the Lectures, p. 116. This gas taline, and not destructible by heat, it may be the whole, indicates a quantity of calcarcous sand is to be either measured or weighed; and it will considered as saline in its properties. The saline bear the proportion of 43 to 100 to the original matter altogether bears a minute proportion to weight of the carbonate of lime. This may be a the other constituents; and as most of it is genevery simple process to an expert chemist; but it rally common salt, the following tests need seldom

sume a cloudy appearance in a solution containing over the connected by resorting to any of the other tests, either oxalic acid. Salts of magnesia cause a similar alone, or two or three connected by, in a different cloudiness in a solution of ammonia. Muriatic order from that which has been set down. acid is discovered by forming clouds in a solution of nitrate of silver. Salts containing nitric acid sparkle when thrown on burning coals.

VIII. Process for detecting Sulphate of Lime, and Phosphate of Lime.—Sulphate of Lime (Gypsum) is to be detected by another independent PRESERVATION OF ANIMAL SUBSTAN process; on which is engrafted a method of getting at Phosphate of Lime in a separate state. First, put the residuum, with one-third of its weight of powdered charcoal, into a crucible: and heat the mixture red for half an hour. The mass is afterwards to be boiled in water, (half a pint to 400 grains,) for a quarter of an nour. Eilter the whole: expose the collected fluid for some days to the atmosphere; and so much gyp-sum as the soil comprised will be gradually deposited as a white precipitate.

Then to separate the Phosphate of Lime from the solid residuum, digest upon it muriatie acid more than sufficient to saturate the soluble earths. Evaporate the solution, and pour water upon the remains. The result will dissolve the earthy com- needed, pounds, and leave the phosphate of lime untouch-

ed.

When Sulphate of Lime and Phosphate of Lime have been thus disengaged in a solid form, been calculated by the loss sustained in solid mat ter, part of which enters into the new compounds from which the Sulphate and Phosphate have been recovered.

IX. Formula for recapitulating the Results.-When the analysis of a soil is finished, add the quantities together; and if they nearly equal the original portion of soil,* the assay may be confi-

ded in as accurate.

Four hundred grains of a good siliceous sandy soil from a hop garden near Tunbridge, Kent, gave these results :--

		Grains.
Wate	er of absorption	19
L os	e stones and gravel, chiefly flinty	. 53
	composed vegetable fibres ,	. 14
	siliceous sand	212
	Carbonate of lime	19
ses		. 3
ಕ್ಷ ಏ	Carbonate of Magnesia	
78.2	Matter destructible by heat chief	
E S	vegetable	. 15
- E 8	Silica	21
: <u> </u>	Alumina	. 13
= >	Oxide of Iron	5
parated by necessive tests.	Soluble matter, principally comm	on
Tag of	and vegetable extract .	. 3
ar a	Gypsum	2
m c	Loss	. 21
	*	400

the Process.-The assay may be very much sim- of sugar, and four ounces of saltpetre, boiled for cannot be done otherwise, make a small incision plified, when the inquiry is confined to one lead- a few minutes with four gallons of water, skim-with a knife. The first salter, after rubbing salt ing object. Thus, if it be merely wished to know, med and allowed to cool, forms a strong pickle, and spice well into the meat, should take and whether a soil contain already so much lime as to which will preserve meat completely immersed mould the piece, the same as washing a shirt whether a sol contain arready so much time as to which will preserve meat completely immersed mound the piece, the same as washing a sint make it inexpedient to bring on lime as a manure, in it. To effect this, which is essential, either a upon a board; this may be very easily done, and it will be enough to put the specimen into a dish, heavy board, or flat stone, must be laid upon the the meat being lately killed, is solt and pliable; and to pour upon it a quantity of muriatic acid; meat. The same pickle may be used repeatedly, this moulding opens the grain of the meat, which indeed when no other experiment is to be grounded it be boiled up occasionally with additional salt to restore its strength, diminished by each the soil immersed mound the piece, the same washing a sint make it in such the meat being lately killed, is solt and pliable; meat. The same pickle may be used repeatedly, this moulding opens the grain of the meat, which will make it imbibe the spice and salt much quickently and the salt with the meat, salter hands his piece over to the second salter, whe meat the meat being lately killed, is solt and pliable; the meat being lately killed, is solt and pliable; meat. The same pickle may be used repeatedly, this moulding opens the grain of the meat, which will make it imbibe the spice and salt much quickently and the salt with the meat, salter hands his piece over to the second salter, when the salt with the meat, salter hands his piece over to the second salter.

(To be continued.)

Domestic Economy.

CES IN A RECENT STATE.

As the supply of food is always subject to irregularities, the preservation of the excess, obtained at one time, to meet the deficiency of another, would soon engage the attention of mankind. At first this method would be simple and mon way of salting, when the meat is not immernatural, and derived from a very limited observation, but in the progress of society, the wants or one and a half in sixteen. and occupations of mankind would lead them to invent means, by which the more perishable alimentary substances of one season, might be reserved for the consumption of another, or the su- ted if the salt be rubbed in with a heavy hand. be transported to others where they are more

PICKLING AND DRY SALTING OF MEAT.

antiseptic, to preserve aliments from spontaneous coarse grained salt should be allowed, and the it is sometimes necessary to deduct a sum equal decomposition, and particularly to prevent the to their weight from the amount of the Carbonate putrefaction of animal food. In general, howev-of Lime; but that is only when the latter has er, the large quantity of salt which is necessarily employed in this way, deteriorates the alimentary ment which it extracts, and with this the meat properties of the meat, and the longer it has should be wetted every day, and a different side been preserved, the less wholesome and digesti-turned down. In ten or twelve days it will be ble does it become.

Meat, however, which has not been too long preserved, simply pickled, or corned meat as it is as soon as it comes from the market, but kept uncalled, is but little injured or decomposed, it is til its fibre has become short and tender, as these

The property of salt to preserve animal substances from putrefaction is of the most essential slaughtered, the meat cut up and salted, and importance to the empire in general, and to the afterwards packed, is astonishing." remote grazing districts in particular. It enables the latter to dispose of their live stock, and dis tant navigation is wholly dependent upod it. All immediately, by means of the vessels, through kinds of animal substances may be preserved by the whole substance of the meat; and hence salt, but beef and pork are the only staple arti-ment is admirably cured at Tunis, even in the eles of this kind. In general, the pieces of the hottest season, so that Mr. Jackson, in his Reflecanimal best fitted for being salted are those which tions on the Trade in the Mediterranean, recomcontain fewest large blood vessels, and are most mends ships being supplied there with their prosolid. Some recommend all the glands to be cut visions. out, they say that without this precaution meat cannot be preserved; but this is a mistake, a dry ceedingly well calculated for dry salting. salter of eminence, informs me, that it is not essential, provided the glands or kernels are properly covered with salt.

ces strongly, it is sufficiently charged, or perhaps and by the dilution of the pickle by the juices of who moulds and rubs the salt well into the meat, overcharged, with lime. In a similar way, one the meat extracted. By boiling, the albumen, and if he observes occasion, introduces the spice; or two essential questions may be sometimes sol which would cause the pickle to spoil, is coagula when the second salter has finished his piece, he ted, and rises in the form of scum, which must be; earefully removed.

Beef and pork, although properly salted with salt alone, acquire a green colour; but if an ounce of saltpetre be added to each five pounds of salt employed, the muscular fibre acquires a fine red tinge; but this improvement in appearance is more than compensated by its becoming harder and harsher to the taste; to correct which, a proportion of sugar or molasses is often added. the red colour may be given if desired, without hardening the meat, by the addition of a little cochineal.

Meat kept immersed in pickle rather gains weight. In one experiment by Messrs, Donkin and Gamble, there was a gain of three per cent. and in another of two and a half; but in the comsed in pickle there is a loss of about one pound,

Dry salting is performed by rubbing the surface of the meat all over with salt; and it is generally believed that the process of salting is promeperfluous productions of distant countries might However this may be, it is almost certain that very little salt penetrates, except through the cut surfaces, to which it should therefore be chiefly applied; and all holes, whether natural or artifieial, should be particularly attended to. For each Common salt is advantageously employed as an twenty-five pounds of meat, about two pounds of sufficiently cured.

For domestic use the meat should not be salted still succulent and tender, easily digested, nourishing and wholesome enough. changes do not take place after it has been acted upon by the salt. But in the provision trade, "the expedition with which the animals are

By salting the meat while still warm, and before the fluids are coagulated, the salt penetrates

The following mixture of condiments is ex-

Take a pound of black pepper, a quarter of a pound of Cayenne pepper, and a pound of saltpetre, all ground very fine; mix these three well The salting may be performed either by dry together, and blend them alternately with about rubbing, or better by immersing the meat in a salt three quarts of very fine salt: this mixture is pickle. Cured in the former way the meat will sufficient for eight hundred weight of beef. As keep longer; but it is more altered in its valuable the pieces are brought from the person cutting Y. Popular Application of detached Steps in and nutritious. Eight pounds of salt, one pound introduce a little into all the thickest parts; if it

packer at the harness or salting tubs, who must lia, however is at the head of the list. be stationed near him: the packer must be care. The method of curing bacon and hams in

A good sized bullock, of six or seven hundred

ly cover the meat, as fast as the packer can stow it away. It is always a good sign that the meat is very safe, when the packer begins to complain

that his hands are aching with cold.

By this method there is no doubt but that the meat is perfectly cured in three hours from the time of killing the bullock; the saltpetre in a very little time strikes through the meat; however, it is always better to let it lie in the harness tubs till the following morning, when it will have an exceeding pleasant smell on opening the harbarrels, with its own pickle.

METHOD OF PREPARING BACON, HAMS AND HUNG BEEF.

Meat, when salted, is sometimes dried, when it gets the name of bacon, ham, or hung beef.

The drying of salt meat is effected either by hanging it in a dry and well-aired place, or by exposing it at the same time to wood smoke, which gives it a peculiar flavour, much admired in Westphalia hams and Hamburg beef, and also tends to preserve it, by the antiseptic action of the pyrolignic acid. When meat is to be hung, it need not be so highly salted.

The method of preparing bacon is peculiar to certain districts. The following is the method of making bacon in Hampshire and Somersetshire :-

The season for killing hogs for bacon is between October and March. The articles to be salted are sprinkled over with bay-salt, and put for twenty-four hours in the salting trough, to allow the adhering blood to drain away. After this they take them out, wipe them very dry, and throw away the draining. They then take some fresh bay salt and heating it well in a frying pan, rub the meat very well with it, repeating this every day for four days, turning the sides every other

If the hog be very large, they keep the sides in brine, turning them occasionally for three weeks; after which they take them out, and let them be thoroughly dried in the usual manner.

SMOKE-DRYING, OR CURING OF BACON, HAMS, AND BEEF, AS PRACTISED IN WESTPHALIA.

The custom of fumigating hams with wood smoke is of a very ancient date, it was well known to the Romans, and Horace mentions it.*

" Fumosæ cum pede pernæ."

ful to pack his harness tubs as close as possible. Westphalia (in Germany) is as follows: Families or Biliary Duct. In the human body, and in All the work must be carried on in the shade, that kill one or more hogs a year, which is a combut where there is a strong current of air, the mon practice in private houses, have a closet in

The smoke of the fuel is conveyed into the weight, may be killed and salted within the hour. closet by a hole in the chimney, near the floor, the first salter, has the greatest trust imposed thrust into the funnel of the chimney, to force It appears in a loss of hair, and small scabby upon him; besides the spice, he should be well the smoke through the hole into the closet. The eruptions, generally about the mane, the head, All the salt should be very fine, and the pack- per hole must not be too big, because the closet by the motion of his lips, the greatest satisfaction er, besides the sprinkling bottom of his harness must be always full of smoke, and that from wood and pleasure; and by this circumstance it may tubs, should be careful to put plenty of salt be fires. Or the bacon and hams are simply placed tween each tier of meat, which is very soon turn- in the vicinity of an open fire place, where wood ed into the finest pickle. The pickle will near- is burned, so as to be exposed to the smoke of the wood. Accum's Culinary Chemistry.

DISEASES OF DOMESTIC ANIMALS AND THEIR CURE.

Lampas.-A swelling of the bars of the mouth n young horses, which sometimes project below the surface of the upper front teeth, and become so tender as in some degree to hinder their feeding. The usual remedy for this complaint is the ness tubs; then take it out and pack it in tight application of a hot iron to the projecting part, which I have always found effectual. The lampas are often burnt unnecessarily; the operation The mixture should be made in the open air, or should never be allowed unless the swelling (for all young horses have it more or less) evidently interferes with the horse's feeding. I have never any mischief result from the operation.

> or merely loosen the howels in a slight degree. ceased, add of For this purpose castor oil is a convenient medicine, given either alone, or mixed with two or three drams of aloes, two drams of carbonate of potash, and five or six ounces of water. Com mon table salt dissolved in gruel is a good laxa tive for cattle, also Glauber's and Epsom salts. Though castor oil is commonly preferred to all other oils as a laxative, it does not appear im probable that the common oils, which are much less expensive, would be found equally efficacious for horses and cattle; even hogs lard has been given as a laxative with good effect.

Linseed, or Flax Seed .- An infusion or decoction of these seeds forms a forms a mucilaginous drink as can be employed. They afford by pressure Linseed Oil, which is sometimes used in Levigated antimony, one ounce; pectoral drinks; it is given also as a laxative. After the oil has been pressed out, there remains Powder, or Meal; and is commonly employed in as in the following formula: making poultices.

Liver .- An important organ of the body too well known to require a particular description. Its principal use is to secrete, or separate from the blood, bile or gall. In the horse it is divided first into two large parts or lobes, which are subdivided into seven or eight portions, named Lo the ointment is objected to, washing the parts bules. The right lobe of the liver is the largest; hence it is said to be situated on the right side. The convex surface of the liver is attached by Several places on the Continent are famous for brane to the diaphragm; the other surface is concave, and in contact with the intestines and want of cleanliness and poor keep. It is commonproductions of the peritoneum and cellular mem-

folds it up as close as possible, and hands it to the the delicacy and flavour of their hams; Westpha-ted, or tor. in and by the liver, it is conveyed by numerous small the into the larger one, in by numerous small these into the larger one, in which they terminate; the named the Hepatic most quadrupeds, there is another duct branching off from this, which terminates in a gall bladder, harness tubs in particular; this being a very mather in the garret, joining to the chimney, made tight, from which the bile is occasionally expelled; but terial point in curing the meat in a hot climate. The garret, joining to the chimney, made tight, from which the bile is occasionally expelled; but to retain smoke, in which they hang their hams, in the horse there is simply one duct, which conMeat may be cured in this manner with the greatand bacon to dry; and out of the effect of the est safety, when the thermometer, in the shade, fire, that they may be gradually dried by the where it assists perhaps in the process of chylifis at 110°, the extreme heat assisting the curing, wood smoke, and not by heat. useless part of the food.

Mange.-A disease of the skin, which causes a The person who attends with the spice near and a place is made for an iron stopper to be horse to be perpetually biting or rubbing himself. he permits the first salter to hand the piece over funnel of the chimney, above the said stopper, to the second salter.

Smoke is carried off again by another hole in the parts of the tail; but sometimes on all parts of the body. When a mangy part is rubbed, the horse expresses by his countenance, or rather the horse expresses by his countenance, or rather be known whether the disease has ceased or not after the remedies have been applied. The mange is generally produced by poverty and negligence; but being contagious, often attacks horses that are well treated, and in good condition. When mange arises from the former cause, the first step towards a cure must be sufficiently obvious; then let a dose of mild physic be given, and the following ointment applied:

Take Oil of turpentine, four ounces;

Strongest sulphuric acid, by measure, one ounce.-Mix carefully, in a vessel large enough to contain four or five times the quantity, adding the acid by a little at a

under a chimney, that the suffocating vapours which arise may be avoided. When the acid is poured on the turpentine, if the former is suffiseen, or at least only in two or three instances, ciently strong, an effervescence, or rather boiling, y mischief result from the operation. Will take place, which may be promoted at first Laxatives.—Medicines that purge moderately, by stirring the mixture. When the boiling has

Melted hog's lard, eight ounces; Common oil, four ounces;

Sulphur vivum, finely powdered, 6 ounces, Continue to stir the mixture until it is cold.

Previous to the application of this ointment, the mangy parts, or wherever the horse may feel an itching, are to be well rubbed with an old blunt curry comb, by which means the deceased surface will be completely exposed, and the hair will be removed from such as would otherwise escape notice. The ointment is then to be well rubbed in, and repeated for three or four days, unless the parts become too sore to bear it. Let

Calonicl, fifteen grains .- Mix.

In obstinate cases, sublimate has been given a cake, which when powdered is called Linseed with advantage, mixed with tartarized antimony,

> Corrosive sublimate, from 10 to 15 grains; Tartarized antimony, two drams;

Ginger, one or two drams;

Powdered caraway seeds and syrup enough to form the ball.

In slight cases of mange, or when the smell of with a solution of sublimate has effected a cure. See Corrosive Sublimate, also vol. ii. of the author's Farriery, or Materia Medica.

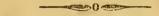
stomach. When the bile or gall has been secre-ly called by herdsmen the Scab or Scurf. The

aisease is incident to sheep in soffice than to ⊒enlari pastures, situations, and seasofully produced by others. It seems to be a refally produced by poverty and learness; but, from its contagious nature, will attack also such as are fat. Dogs are exceedingly subject to mange, and readily casch it from each other. The ointment above prescribed will be found as effectual in these animals, as in horses, and the same general treatment is applicable to them. In sheep, the matter discharged mixes with the wool, and drying, forms a hard impenetrable crust, which must be completely removed by soaking and scraping before

> Corrosive sublimate, one dram; Crude sal ammoniac, half an ounce; Tobacco water, one pint .- Mix.

any application can be effectual. The following has been recommended for the scab in sheep:

A solution of arsenic and potash in water has also been effectual. A considerable quantity of an arsenical ore was, a few years ago, sold as sulphur vivum, by a London wholesale druggist, in various places. As long as it was used as an external application for the mangy complaints of cattle, its real nature was not discovered. At length, an unfortunate person at Sidmouth, in Devonshire, was advised to take sulphur vivum in order to cure the itch; some of this arsenical ore was sold to him as such by a druggist of the town, and taken by the man, his wife, and his child; they all died soon after, and it was then discovered, that the supposed sulphur vivum conconsisted in a great measure of arsenic. There is a variety of mange in dogs called the Red Mange, from the red appearance of the skin that is affected; this is said to be cured by mercurial ointment.



FROM THE NEW-ENGLAND FARMER.

It is notorious that many of our most valuable kinds of Pears have of late years been blasted. About the latter end of July, or beginning of August, a blight seems to have fallen on the St. Germain-Vergolouse-Brown-butec-and now on the St. Michael, and many other kinds. The skin appeared in a great measure killed, and the fruit, growing rapidly, was soon covered with dark blotches, and began to crack in almost every direction. As the fruit continues to grow and ripen, I perceive those cracks expand and deepen; -hence I am convinced that the exterior of the fruit has been so far killed as to have been in a great measure incapable of any farther expansion, after being struck with the blight. Therefore, as the fruit continues sound at heart, and fore, as the fruit continues sound at heart, and grain of wheat, is placed directly over the cushprogresses towards maturity, the cracks continue grain of wheat, is placed directly over the cushto widen and grow deeper till the fruit is entirely loned cylinder. This pointed cylinder, has its our wheat from garlic. to widen and grow deeper till the fruit is entirely ruined. As my farm is principally on a slope to the East, and my Pears generally more injured by the blast than some in my neghbourhood less exposed to East winds, I am led to suspect that those winds must, at least, have had some agency in the blight. It is said that little if any of the fruit in Boston suffers in this way, and there almost every tree is so surrounded with buildings, ous effects of blasting winds.

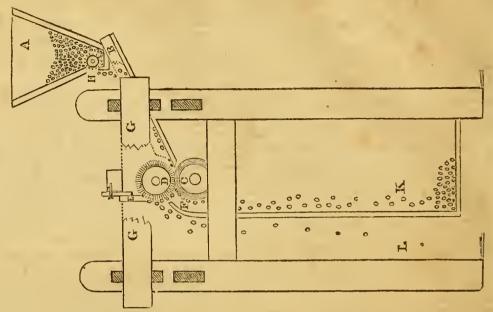
Perhaps some of your more philosophic and light on the subject; and show that there are blast, besides their running out by age: and possibly they may be able to oblige the public, by suggesting some sufficient remedy.

Yours respectfully,

J. KENRICK.

FOR THE AMERICAN FARMER.

GARLIC MACHINE. -SIDE VIEW.



REFERENCES.

.4. Hopper.

B. Inclined plank. C. Cushioned cylinder.

D. Pointed cylinder.

E. Side view of the outside tooth of the comb, composed of sheet metal placed edgewise.

F. Board to keep the wheat and garlic separate.

G. G. Side piece of the frame broken off to shew the position of the comb. H. Fluted cylinder for drawing the grain regu-

larly out of the hopper.

K. Wheat clear of garlic.

L. Garlic.

DESCRIPTION

Of a Machine for separating the wild onion, or gartic, from wheat, invented by Minus Ward. Civil Engineer; with a drawing.

A cylinder, with its surface covered with an elastic cushion, is placed with its axis horizontal. sharp metalic points, which points terminate at equal distances from the axes of the cylinder; the distance between any two contiguous points, gudgeons fixed at the proper distance, so as to press with the required force upon the cushioned cylinder: the power being applied to the pointed cylinder, the cushioned cylinder is turned by reason of the points being in contact with its surface. Now the first part of the operation is as follows: The grain being fed in between the two cylinders, upon an inclined plank, by means of a as to be sufficiently guarded against the deleterithat one grain shall not interfere with another, the grains of wheat being much harder than the scientific correspondents may be able to impart tween the two cylinders, without being penetragarlic, sink into the cushion and pass through be other sufficient causes why many of our Pears over the cushioned cylinder, drop down, and are blast, besides their running out by age: and pos-conveyed to the garner or hopper. But not so

ed between the metal, of which the points are composed, and the juice of the garlic, being quite sufficient to sustain their weight, they are taken up by the points, and carried round by them, for about one third part of a revolution of the cylinder, when the second part of the operation commen-ces, which is this: The cloves come in contact with a stationary metalic comb, whose teeth stand in between the successive circular rings of points, nearly in the direction of the tangents to those rings, which slides them off the points, when they drop down over the edge of a plank, placed near the point of contact of the cushioned and pointed cylinders, in the external recess, formed by the arches of the cylinders; thus the wheat is made to fall down, between the edge of this board and the cushioned cylinder, and the garlic to fall down on the opposite side of this board.

Bultimore, August, 1824.

Baltimore, Sept. 6, 1824. I certify, that I witnessed, the other day, the Another cylinder, with its surface covered with performance of a machine of the above description, for separating the garlic from wheat, in operation in this city, that it performed to the satisfaction of all present. It is my belief that this being about one third part of the breadth of a machine is destined to be of great utility, and will effect the long sought for desideratum of clearing

> JAMES SMITH, Late Agent of Vaccination for the U.S.

-----INTERNAL IMPROVEMENTS

Projected and prosecuted by, and Capital owned in Philadelphia, taken from Carey & La's "Philadelphia in 1824."

The exertions made by Philadelphia for, and the money embarking in, enterprises of internal improvement, have far exceeded those of any city in the Union—It must be remembered, that, vast as are the efforts of the state of New-York, the city of New York has had no other agency in them than lending money on good security and on interest; whereas the advances made by the citiwith the garlic, which being softer, the elasticity zens of Philadelphia have been hazarded upon of the cushion, presses the cloves against the their own responsibility, and exceed considerably points, with sufficient force to cause them to be panetured by the points, and the attraction exert- York. The gross amount of money advanced for

No. 28.7		=
the several objects, are alone given here are taken from correct data. A more account of several of these public workund in another part of this work. Bridges over the river Schuylkill, &c. Old subscription to the Susquehanna and Schuylkill canal, New subscriptions to the same,	\$424,000 500,000 450,000	
Schuylkill Navigation Company, Lehigh Navigation Company, Chesapeake and Delaware old and new	1,500,000 500,000	4
stock, Conewago falls, made with Philadelphia capital, Lancaster and other turnpikes leading to the city, and constructed with its capital; water works, &c.	900,000 100,000 2,810,000	HILLI
	\$7,184,000	I
Exceeding largely the whole amount on the New-York canal.	expended	
	o show the iladelphia, held by its e, &c. via invest- the United 1824, was 509,211 52	T t

cents are held in Philadelphia, thu	ıs divided:—	
Owned by its citizens and corporate bodics, Owned by foreigners,	\$29,182,499 14,326,712	
	\$43,509,211	52
Our own citizens receive an annual		
interest on this debt, of	1,700,668	
And foreigners,	743,915	42
	\$2,444,583	54
The innual interest on the whole debt of the United States is Of which, as is shown above, Phil-	5,642,724	95
adelphia receives, or very near ½ of the whole.	2,444,583	54
New York receives, for her citi-		
zens and foreigners,	1,338,950	39
Boston,	1,178,357	74
Baltimore,	208.365	16

2. Amount of the Stock of the Bank of the United States held by Philadelphia.

according to the present price at 122 dollars per ing is a correct statement of the amount ap share, and amounting to \$4,545,818. The annual propriated to the different parts of the United dividend received in this city on that stock, at the States :present low rate of dividend, is \$186,345.

New-York holds in this stock 40,289 shares. Massachusetts, 27,837 do. 38,490 do. Baltimore,

3. Capital Stock of the Banks of the City and

ADIDET LICO.	
Bank of Pennsylvania,	2,500,000
Bank of Philadelphia,	1,800,000
Farmers' and Mechanics' Bank,	1,250,000
Commercial Bank,	1,000,000
Bank of North America,	830,000
Stephen Girard's Bank, exceeding	1,000,000
_	

Amount carried forward,

Amount brought forward,	\$8,380,000
Mechanics' Bank,	534,000
Schuylkill Bank	500,000
Northern Liberties Bank,	250,000
Germantown Bank,	152,000

1. Capital Stock invested in Insurance Compa-

North America,	\$600,000
Pennsylvania,	500,000
Phœnix,	480,000
Philadelphia,	400,000
Union,	300,000
Marine,	300,000
Delaware,	200,000
United States,	100,000
T: 1	

Fire Insurance Offices, and Offices for 1,120,000 insurance of lives,

\$4,000,000

\$158,286,478

\$9,816,000

bled,

Shipping, merchandise, stock in manufactories, bonds and mortgages on property out of the city, city stock, plate, furniture, &c. may safely be estimated at 35,000,000

Total value of real & per'al estate, \$105,142,160

Recapitulation.

Capital invested in government stock,	5,29,102,300
Stock in the United States' Bank,	4,545,818
Stock in the city banks,	9,816,000
Stock in insurance companies,	4,000,000
Stock in bridges, canal, and turnpike	
roads,	5,600,000
Real estates,	70,142,160
Personal estate besides stock,	35,000,000

Proportion of the Florida Award haid in Philadelphia.

Total,

It may be stated, as an evidence of the extent of the foreign commerce and enterprise of the citizens of Philadelphia, that the share of the awards paid to them under the Florida treaty, for Philadelphia holds in the capital stock of the spoliations on commerce, considerably exceeds Bank of the United States, 37,269 shares, valued that of any other city in the Union. The follow-

South of the Potomac,	\$5,000,000
All New-England, South of the Potomac,	1,750,000 300,000
Baltimore,	700,000
New York,	1,000,000
rimadeipnia,	\$1,250,000

Contributions to the State Government.

The average annual expenses of the govern ment of Pennsylvania are about 325,000 dollars including interest on her debt. Of this amount Philadelphia pays 260,000 dollars, or four-filths \$8,380,000 of the whole.

Editorial Correspondence.

Extract of a letter dated Columbia, (S. C.) Sept. 10, 1824.

"Our crops of cotton and corn will be very far short of an average production; of the former an immense crop was planted, but the drought has been so excessively severe, and so very general throughout the State, as will, I think, curtail a fourth."

SEEDS.

Experiment, shewing the importance of selecting the first ripe Seeds, communicated to the Trustees of the Massachusetts Agricultural Society, Sept. 1, 1805: By James Freeman.

To ascertain whether the ripening of seeds can be forwarded, by sowing those which are the carliest ripe, I have made experiments, all of which have been successful, and on several different sorts. It will be sufficient to mention one only.

In the year 1801, I planted the case-knife bean. The pods first formed, which are commonly those 5. Value of Real and Personal Estate.

The official valuation of real estate in the city quantity of a peck was fully ripe, they were gathered county of Philadelphia, in 1823, was 35,071,080 ered on the same day. The largest and fairest dollars. At the period in which the assessment of the seeds were planted the next year, and the was made, real estate had depreciated greatly in first formed pods reserved as before. The same value, and it is well known that the assessment is method has been pursued without any variation never more than one-half of the actual value of till the present year; by means of which, whilst the estate: this amount may therefore be dou-the bean has not degenerated in its quality, the \$70,142,160 ripening of the seeds has been forwarded twentysix days, as will appear from the following table:

Planted.	Gathered.	No. days.
1801, May 20,	Sept. 9,	112
1802, May 11,	Aug. 21,	102
1803, May 10,	Aug. 8,	90
1804, May 8,	Aug. 4,	88
1805, May 6,	July 31,	88

The first column denotes the time of planting the seeds; the second, that of gathering the seeds, which were first ripe; and the third, the number of days which elapsed between the time of planting and the time of gathering.

As in the second and following years I anticipated the time of planting the seeds (by which means fourteen days have been gained, in addition to the twenty-six noted above) to determine what effect later planting would produce, by giving the seeds more advantage from the heat of summer, in the years 1804 and 1805, I put into the ground a quantity of seed, about a week later than that which was first planted. The event which took place, is exhibited in the following table :--

Planted. Gathered. No. days. 1804, May 14 1805, May 13 Aug. 8, Aug. 6,

As very little time has been gained in the present and in the preceding year, I suppose I have now reached, or nearly reached, the ne plus ultra. I delay not, therefore to communicate to the Trustees of the Agricultural Society the result of an experiment, which confirms the important truth,-that to ensure an early and good crop, the seeds reserved for future sowing should be those, which are the first ripe, and which are, in other respects, the most perfect .- A. E. Farmer. **20**

EXPORTS OF COTTON

From Savannah, from 1st October, 1823, to 1st September, 1824.

	Sea Island.	Upland.
Great Britain,	8078	69,786
Continent,	1272	11,898
Coastwise,	203	60,482
Total,	9652	142,155

RUDIMENTS OF COOKERY.

BROILING.

Cleanliness is extremely essential in this mode

Keep your Gridiron quite clean between the rub the bars with clean mutton suet, to prevent the Meat from being marked by the gridiron.

Take care to prepare your fire in time, so that it may burn quite clear; a brisk and clear fire is an hour before you dress them. indispensable; or you cannot give your meat that browning which constitutes the perfection of this not receive any other way.

Be very attentive to watch the moment any thing is done; never hasten any thing that is broil

ing, lest you make smoke and spoil it.

Let the bars of the Gridiron be all hot through. but yet not burning hot upon the surface; -this is the perfect and fine condition of the gridiron.

cooked be laid on them.

ing a smoke, which will spoil the broil.

Upright gridirons are the best, as they can be vent them from losing the used at any fire, without fear of smoke; and the Sup. to Edinb. Encyclop. gravy is preserved in the trough under them.

N. B. Broils must be brought to table as hot as chops on the gridiron-from whence to the mouth the look and taste of each other. their progress must be as quick as possible.

VEGETABLES.

show the season of vegetables, and point out the

time when they are best and cheapest.

I here is nothing in which the difference between an elegant and an ordinary table is more seen, than in the dressing of vegetables, more especially before you send them to table. of greens:-they may be equally as fine at first, at one place as at another; but their look and taste lant attention. are afterwards very different, entirely from the careless way in which they have been cooked.

They are in greatest perfection when in greatest plenty, i. e. when in full season.

luxury in the buyers, and avarice in the sellers under-done meats.* about London, force the various vegetables: but

Unrifie Vegetables, are as insipid and unwhole-

some as unrifie fruits.

are preferred to the largest, or the smallest ;- vedly blamed instead of the green-grocer. they are more tender, juicy, and full of flavour, as soon think of roasting an animal alive, as of up, should never be cleaned from the earth adher boiling a vegetable after it is dead.

The eye easily discovers if they have been kept

pects.

time before they are dressed.

colour best of such as are green; if you have tion of the air, and frost, by laying then in heaps, only hard water, put to it a tea spoonful of carbo-burying them in sand or earth, &c. covering them nate of potash.

Take care to wash and cleanse them thoroughly from dust, dirt, and insects: this requires great attention: pick off all the outside leaves, trim bars, and bright on the top; when it is hot, wipe them nicely, and if not quite fresh gathered and it well with a linen cloth; just before you use it, have become flaccid—it is absolutely necessary to restore their crispness before cooking them, or least a third of the time they take, when they pan of clean water, with a handful of salt in it, for are brought to public markets.

"Most vegetables being more or less succulent, their full proportion of fluids is necessary for their mode of cookery, and gives a relish to food it can-retaining that state of crispness and plumpness which they have when growing. On being cut or gathered, the exhalation from their surface continues, while, from the open vessels of the cut surface, there is often great exudation or evaporation, and thus their natural moisture is diminished, the tender leaves become flaccid, and the -two thirds of his own has been destroyed. thicker masses or roots lose their plumpness .-As the bars keep away as much heat as their This is not only less pleasant to the eye, but is a breadth covers, it is absolutely necessary they real injury to the nutritious powers of the vegeta-ry, Baltimore, and he there presented under Wash-should be thoroughly hot before the thing to be ble: for in this flaccid and shrivelled state its ington's Tent, to the Governor and the Cincinnati The bars of gridirons should be made cancave, water which exists in vegetable substances, in luminated that night, and a sp and terminate in a trough to catch the gravy and the form of their respective natural juices, is di-given to him on Friday night. keep the fat from dropping into the fire and mak- rectly nutricious. The first care in the preservation of succulent vegetables, therefore, is to pre-

They should always be boiled in a saucepan by themselves, and have plenty of water: if meat is

If you wish to have vegetables delicately clean, When the fire is not clear the business of the put on your pot, make it boil, put a little salt in gridiron may be done by the dutch oven or bonnet. it—and skim it perfectly clean before you put in ryland Cattle Show will be more extensive than the greens, &c.—which should not be put in till any previous one. There is a talk of changing The marketing tables at the end of this work the greener they will be; when the vegetables by meeting of the Friends—should it be changed ow the season of vegetables, and point out the sink, they are generally done enough, if the wa-due notice will be given. ter has been kept constantly boiling. Take them goodness. Drain the water from them thorough- ket at the next Maryland Cattle Show.

This branch of cookery requires the most vigi-

If vegetables are a minute or two too long over the fire,-they lose all their beauty and flavour.

By season,-I do not mean those early days, that some during their residence in the stomach, than a S1 5-best white for family flour, S1 10 a 1 123

To preserve, or give colour in Cookery, many that time of the year in which by nature and com- good dishes are spoiled; but the rational epicure, mon culture, and the mere operation of the suo who makes nourishment the main end of eating, and climate, they are most plenty and in perfect will be content to sacrifice the shadow, to enjoy he substance. Vide Obs. to No. 322.

Once for all, take care your vegetables are As to the quality of vegetables, the middle size sins of the Cook, so the Cook often gets undeser-

"Succulent Vegetables are best preserved in a

* " Cauliflowers and other vegetables are often too long; they soon lose their beauty in all res- boiled only crish, to preserve their beauty. For the look only they had better not be boiled at all, Roots, greens, salads, &c., and the various pro- and almost as well for the use, as in this crude state was lately sold as follow: 6 hogsheads at \$13 50; notions of the garden, when first gathered, are they are scarcely digestible by the strongest sto- one at \$10; two at \$9; and two at \$8 We preductions of the garden, when first gathered, are they are scarcely digestible by the strongest stoplump and firm, and have a fragrant freshness no mach. On the other hand, when over boiled, they art can give them again, when they have lost it become vafid, and in a state similar to decay, in by long keeping; -though it will refresh them a which then afford no sweet purifying juices to the little to put them into cold spring water for some body, but load it with a mass of mere fecculent known, however, to be a first rate judge of the matter.

To boil them in soft water will preserve the ing to them—and must be protect, from the accolour best of such as are green; if you have tion of the air, and frost, by laying them in heads. with straw or mats.'

"The action of Frost destroys the life of the Vegetable, and it speedily rots."—Sup. to Edinb.

Encyclopedia.
N. B. When greens, &c. are quite fresh gathered, they will not require so much boiling, by at they will be tough and unpleasant: lay them in a have been gathered the usual time those are that

THE FARMER.

BALTIMORE, FRIDAY, OCTOBER 1, 1824.

17 A tremendous storm occurred in Georgia on the 15th, by which, a correspondent says, immense damage has been done to the cotton-crop

Gen. La Fayette will arrive at Fort M'Henreal injury to the nutritious powers of the vegeta-ry, Baltimore, and be there presented under Washfibres are less easily divided in chewing, and the Society on Thursday next. The town will be ilwater which exists in vegetable substances, in luminated that night, and a splendid Ball will be

The Canton Races take place on the 20th, vent them from losing their natural moisture." - 21st and 22d of October, and many young horses are said to be in training.

FIt will be recollected that the Pennsylvapossible: set a dish to heat, when you put your boiled with them in the same pot, they will spoil nin Cattle Show will take place at Chester, on the Delaware, on the 14th and 15th October.

> There is reason to hope, the the next Mathe water boils briskly: the quicker they boil, the time by a few days, on account of the month-

> Persons having valuable Horses, or Stock uh immediately, or they will lose their colour and of any kind, for sale, will meet with a good mar-O CHES

> > PRICES OF COUNTRY PRODUCE—carefully collected every Thursday, for the American Farmer. By ROGERS & STMINGTON.

If not thoroughly boiled tender, they are tremendously indigestible, and much more trouble- \$5-Wheat, white, \$1 a \$1 3-Lawler, do \$1 4 -Corn, yellow, 38 cts -White, do 35 a 38-Rye, 373-Oats, 22 a 25-Whiskey, 26 a 28-Clover Seed, white, per lb. 374-Red, do per bush. \$4.75-Saplin, do \$5.75-Timothy, 3-Orchard grass, \$2 50—Herds grass, 2—Herrings, No. 1, \$2 25— No. 2, \$2—Hay, per ton, \$10—Leather, best Sole. 24 to 27 cts. - Feathers, live, per lb. 30 a 35fresh; for as the Fishmonger often suffers for the Cotton, Louisiana, 16 to 18 cts.-Georgia, Upland, 15 to 17 cts.-Alabama, 13 to 15-New Wool, 30 to 35 cts.-Merino full blooded 35 to 40 cts.-3 do 30 to 35 cts.- do 25 to 28 cts.-Common, 20 to they are more tender, juicy, and full of flavour, just before they are quite full grown. Freshness cool shady and damp place. Potatoes, turnips, 25 cts.—25 per cent. more when well washed on just before they are quite full grown. Freshness cool shady and damp place. Potatoes, turnips, 25 cts.—25 per cent. more when well washed on is their chief value and excellence, and I should carrots, and similar roots intended to be stored the sheep and free from tags—Coal, pit, foreign, 40 cts.—Virginia, do. 20 to 25 cents 6 50 to \$7-Lime, bushel, 30 to 33 cents.

Tobacco.—The crop grown in Calvert county, of a young farmer, Philemon Chew, Esq. a member of the Executive Council of this State, sume this crop must have come in fine condition to market, as the prices were above the average sales from that neighbourhood. Mr Chew is

article.

AGRICULTURE

"TREATISE ON SOILS AND MANURES BY A PRACTICAL AGRICULTURIST."

(ontinued from our last.)

CORRECTIVES OF ILL-CONSTITUTED SOILS.

The following are simple and efficacious correctives of some bad ingredients in soils, or the excess of some good constituent; the presence of which frequently disappoints even the skilful cultivator, when either the true cause is not suspected, or an appropriate remedy is not known.

1. A farmer with a great portion of common skill is often baffled by iron in its acid combinations. If on washing the specimen of a sterile soil, it is found to contain the salts of iron, sul-

2. If there be an excess of pure calcareous matter (chalk or lime) in a soil, its constitution may be improved by turning in, in a green state, some of those vegetables which possess the greatest quantity of acid; also by the application of sand or of clay, with a small proportion of oxide of iron (blacksmith's sweepings) not exceeding one twentieth part. The same object may he obtained by irrigating with any callybeate water (water containing iron,) or by the addition of peat contain- and causes them to be more permeable to water, woody, require no preparation; to be fitted for ing vitriolic (i.e sulphuric) salts; both which are calculated to turn lime or chalkinto sypsum * See under VII. 5. why gypsum is sometimes beaeficial and sometimes not.

3. When an excess of carbonate of lime (charsoil to be modified, gypsum applied as a manure, also oxide of iron applied as a corrective, seems to produce the very best effects. Carbonate of that of sands; the particles are less adhesive, also the gradual decomposition of the grasses af-lime is mild line in combination with charcoal and the mass less retentive of moisture. Thus fords a supply of vegetable mould for several absorbed from decayed regetable or animal mat the process of burning, properly applied may years." ter The diversified effects of lime as a manure are explained under VII. 1.

4. Soils redundant in sand are benefitted by a top dressing or peat or other vegetable matter, or letable life. The great objection made by specu-questioning some incidental deduction from the of decayed animal matter, or by a mixture of lative Chemists to paring and burning is, that the system; because the principal branches of ois clay. Also, if the sand be not calcareous, by animal and vegetable matter in the soil is dimin-theory are so consonant with experience, that

5. An excess of vegetable matter is to be removed either by burning, (see III. paring and burning.) or by the application of earthy materia. The fundamental step in the improvement of a cat land, or a bog or marsh, is draining .- Soft productive by the mere application of sand or clay, as a top diessing: sand is greatly to be preferred. When heats are acid or contain ferruginous salts, calcareous matter is absolutely necessary in bringing them into cultivation. When they abound in the roots and branches of trees, the wood must either be grubbed up and carried off, or destroyed by burning; so when the face of peat is incumbered by living plants containing much woody fibre, and therefore not proper to be

6 Where there is a redundancy of clay in a pends.§ soi, (and if the quantity of clay exceed one-sixth "Burning without fire."—A new method has for growing healthy plants cannot be equal to that of the general mass, it is desirable to reduce the lately been discovered of substituting quick lime of a clean soil where the manure is not applied terials, is an excellent thing to improve the texture of a clayey soil. Clay appears to receive no improvement from lime alone. Sea sand may be used alone with good effect. It would be also

dung or decayed vegetable matter as would entitle the land to the denomination of a loam.

II. By Draining .- No perennial crops, and but few annual plants, can be successfully cultivate. where the land is exposed to winter floods, or where the subsoil is rendered wet by undersprings. or by heavy leakage from neighbouring pieces of water lying higher and imperfectly hanked off .-The importance of draining peat land has been adverted to under I. 5. Where open drains would be unsightly or inconvenient, as in the interior of a domestic garden, or ornamented ground, a paved brick drain is in the end cheaper than a rubble drain, because the latter is liable to be soon choked by the roots of trees.

III. By Paring and Burning .- It is obvious, that of iron, or any acid matter, it may be amethat in all cases the process of burning must deliorated by a top dressing of quick lime; which stroy a certain quantity of vegetable matter; and into the clod, besides enriching the staple with converts the sulphate of iron (copperas) into a it must principally be useful where an excess of nutritive matter, they promote the fermentation this matter renders the soil too rank. It must be and decomposition of woody fibre buried near the of eminent service in reducing to charcoal, or surface; and which is a useles incumbrance in wood ashes, a great accumulation of woody fibre an undecayed state. already overrunning the field; for woody fibre is very slowly reduced to the state of vegetable mould, if left to the process of a natural dissolu-

other solvents artificially applied.

convert a matter that was stiff, damp, and in con After giving the substance of Sir H. Davy's sequence cold, into one powdery, dry, and warm; theory on any specific subject in agriculture, it it is the remains, t could have been.

The most speedy way of oringing under tillage it, and then to pare off a thick turf and burn it.

be prejudicial, are those of sandy dry flinty soils without calculating all the principal relations becontaining little animal or vegetable matter: here it can only be destructive; for it decomposes that bury vegetable manure without fermenting, and constituent which is already below the minimum leave it gradually to decompose in the soil, will ploughed in the ground, the field must be cleared proportion, and on the presence of which, in a prolong its fertilizing power for several seasons. by one of the same methods.†

proportion,) one of the best dressings which can for fire; and experiments made upon it before till it is ready to afford nutriment. be applied is a mixture of sand and mild lime; the Workington Agricultural Society gave gene-the rubbish of mortar containing both these marrial satisfaction. The lime in its most caustic practice of rotting turf before it is turned into state, fresh from the kiln, is laid upon the vege-the soil, or of waiting till it has become rotted table surface to be consumed; and before it is

highly beneficial to introduce as much fermented weakened by exposure to the air, water, just in sufficient quantity to put it powerfully into action. s applied. This fierce compound will not only onsume the vegetable covering, but effects the lay, or other upper stratum, as if it had been in ontact with fire. It supersedes the trouble which has hitherto attended burning; and in respect to ooor soils which would be improved by the two listinct operations of burning and liming in the ommon mode, it bids fair to bring them sooner on a par with those of superior quality.

IV. By Turning in Green Crops as Manure .-This is directly opposed to Burning Furf, in regard to intention and effect; and is particularly serviceable where the basis of vegetable mould is to be augmented, being an extension of the principle on which Paring Turf without Burning

"When green crops are to be employed for enriching a soil, they should be ploughed in, if possible, when in flower, or at the time when the tion: nor is it very rapidly reduced by lime or flower is opening; for in this stage, they contain the largest quantity of soluble matter. Green Burning likewise renders clays less coherent; Crops, pond-weeds, the paring of hedges or ditchand consequently, less retentive of it in stagnant manure. When old fastures are broken up for masses. Another cause of the unproductiveness tillage, not only is the soil enriched by the death of cold clayey adhesive soils, is, that the seed is and slow decay of the plants which have precoated with matter impenetrable to air.† When viously deposited so uble matters in the clod; clayey or tenacious soils are burnt, their power but the leaves and roots of the grasses (vegetatcoal united to lime) requires the quality of the or tendency to absorb water from the atmosphere ing just before the change of culture) afford sacis diminished in the proportion of 7 to 2; and charine, mucilaginous, and extractive matters, they are brought dearer to a state analagous to which become immediately the food of the crop;

After giving the substance of Sir H. Davy's altogether more fitly constituted as a bed tor veg will not be often necessary to incur the hazard of ished :- But where the texture of the eart'sy in they incontestibly contribute sound and intelligigredients is permanently improved, there is more ble principles for applying more extensively, and than a compensation. To meet the objection with more certain effect, entire classes of means still more directly, where an excess of inert veg at the command of the cultivator, - where the reetable matter is present, the destruction of a part sources to which the practical farmer had arrivof it must be beneficial; and the carbonacous ed, by the empirical course of laying different inblack heuts, after being drained, are often made matter in the ashes may be more useful to the gredients on land without knowing their precise crop, than the unreduced vegetable fibre, of which operation, were previously few and limited, or their utility doubtful.

But in regard to the effect of vegetable matters a meadow overrun with rushes is; first to drain as manures, there is a vein of doctrine pervading the theory of this great chemist, which seems to The cases in which burning must incontestably be taken up independently of experience, and longing to the subject :- which doctrine is, that to state of the soil? Surely the capacity of the land "Burning without fire."-A new method has for growing healthy plants cannot be equal to that

> before a new crop is introduced. There will be several occasions of adverting to this principle igain, and of viewing every side of it as it may atch different lights in different positions, parti-

^{*} Elements of Agricultural Chemistry, p. 22. † Ibid p. 149.

[‡] Ibid. p. 234.

Jbid. p. 22.

^{*} Elements of Agricultural Chemistry p. 141, 226. † Ivid. p. 142. Vol., 6.—29.

[†] Elements of Agricultural Chemistry, p. 191.

stead.

(Pailowing in next number.)

APPENDIX

To Doctor Hosack's Address to the Horti-CULTURAL SOCIETY OF NEW-YORK.

LETTER from SAMUEL L. MITCHELL, M. D. to DAVID HOSACK, M. D. on the improvement of Orchards, Apples, and Cider.

New-York, Sept. 3d, 1824.

the latter yields by fermentation, have long exerabundant and delicious. The liquor prepared by cised the industry and skill of man. And in the Mr. Legaux, from his vineyard near Philadelconvenient soils of the middle latitudes, many proprietors have considered their culture as mat-like favourable report has been made of the Swiss titling it to the appellation of apple wine.

sight by their diversity of figure, size, and colour; others satisfy the smell, by their fragrance, of a delicious quality; while yet others again recreate the palate with their exquisite flavour. The ex- with the cultivation of the vine, and especially in pressed juice is well known in one of its ferment- the tracts watered by the river Garonne in France, to produce a good vintage. ing stages as cider, and in another as vinegar.

If there is any room for wonder in the case, it is that more stress has not been laid upon the cultivation of the apple, especially in our parts of look. Our indigenous species and varieties pro North America. It seems to me that the region between James River and the Kaatskill Mounhernong of North Carolina, from the place where district of New-York, is peculiarly favourable to orchards of this kind. The trees thrive well; tudes of the weather; run into endless varieties, which varieties are perpetually on the increase;

And still, with so many good qualities, the apple has not risen so high in public estimation as Penns, Ivania, it is stated that cuttings are plantit deserves. There are two obvious reasons for

the neglect it has experienced.

One cause, at least among those who speak the English language, is connected with the name it as cider; and is not exalted to the rank and dig nity of wine. The German tongue is more happy name of Afifel wein, or apple wine. And if we could establish, from "malus," the Latin name ed upon one of them. I wish it could be ascerfor the apple-tree, or "malum," an apple, such tained whether grapes take the graft," &c. a title as malic wine, instead of cider, I am confident its character and credit would be increased.

numberless varieties, and proved itself capable of should hesitate or object to this mode of improvcultivation over most countries of Southern, and ing land, it would be upon other ground. I have some of middle Europe. The vine has steadily ever considered a country abounding in grass and there kept pace with improvement and civiliza- grain, as affording the greatest amount of enjoy-tion. The more common forms of the fermented ment to those who do the work. The beast and drink procured from its fruit have been deemed his master are more plentifully fed. The abundnecessary to life; while the more exquisite modifications are classed among the most precious lux-and the granary, shows itself in the number and uries. It has also gained, and deservedly, the fatness of the animals, in the excellent condition consideration due to a valuable and important of buildings and fences, in the comforts and even medicine. In addition to the intrinsic worth of elegancies of the mansion, and in the income and this product, which may be called "grape wine," credit of the owner. This association of a graz or "wine of the grape," our manners, habits, and ing and bread-stuff culture with the maximum of upon the human body and mind. p. 17.

ly be friendly or sociable without it.

Attempts were, soon after the settlement of certain colonies, made to render this country independent of all others, by rearing and dressing the vine. Yet the project, though urged by its advocates early in the seventeenth century, at least two hundred years ago, has hitherto been carried but partially into execution. This has probably arisen from the great case with which wine has heen imported from foreign ports and places; and the flail, the mill and the tannery. The manifold from the readiness with which our bread-stuffs, uses of this fruit are universally known. How,

settlement at Vevay, under John James Dufour Nor is this an object of surprise. The appleand his associates. And more recently, Thomas thoughts more seriously to the apple, and its tree, in my judgment, produces some of the best fruit in the world. Many varieties gratify the an elegant wine, partaking of the qualities uniting. The points more immediately worthy of obserclaret to burgundy, from his own plantation in the State of Ohio. The publication promised by may be expected to contain the most correct and

recent information on the subject.

But it is not to exotic vines only that we may tains, including New Jersey and all the southern the river Roanoake empties into the Sound, is already known and approved. The luxurince of the plants in Alabama, may be understood by Mr. are long-lived; bear the heat, cold, and vicissi- N. Bicknell's letter, of a late date, from Clarkes ville. "The grape-vines grow to an enormous tion, that it be checked by sulphured size, and rise to the tops of the tallest pines. I by cool vaults before it goes too far. and they bear grafting and inoculation to admira-from the ground. In an account I read a few days since of the progress of the vine-cultivation in liquor. ed, which bear a few grapes the third year. I was conversing with a gentleman here on the subject, who informed me, that learning a graft mind the idea of a wine, or vinous liquor. How-that one of them produced two bunches the first ever excellent it may be, it is consumed simply year, and bore abundantly the second. There is a native kind here, of delicious flavour, having tartness enough to prevent cloving the appetite. in this respect; for it denominates cider by the The bunches are very long, and three hundred and sixty-four grapes of a large size were count-

I consider it perfectly practicable for wine of the grape, both of the foreign and domestic stocks. The other cause is the preference given to the to be produced in the proper soils and climates of grape, and its produce. The vine, which produced the United States, whenever the agricultural ciduces this fruit, has, like the apple, branched into tizens shall turn their attention that way. If I

cularly under Sect. V. By Fallowing, and the customs, so much resemble those of the people enjoyment for a free and republican people, is alhead Management of Manure from the Home- from whom we have descended, that we can hard- most indelible in my mind. Every additional acremost indelible in my mind. Every additional acre thus improved is an additional evidence of prosperity, in my sense of the word; and every acre taken from this culture, and turned to something else, even to the culture of the vine, may be considered as withdrawn from the more interesting

business of yielding food and its accompaniments.

The planting of the apple-tree is not liable to this remark. It is consistent with the full exercise of the plough and the hoe, the scythe and fish, and other kinds of food, are exchanged for nevertheless, can I forbear to mention the Swaar-My Dear Sir,—Since the apple, as an article for furnishing a vinous liquor, has been referred to me for consideration, I give you with pleasure my opinion, as lecturer on botany and vegetable physiology to the Horticultural Society. The physiology to the Horticultural Society. The subject of the country of New-York and its vicinity, is tree affording this fruit, and the agreeable drink in the country south of the latitude of about forty-one degrees, or perhaps a little more, will sustain the grape-vine. The fruit produced in the country of New-York and its vicinity, is of Paine's reads: and our fellow-citizen, William Combendad, her beginning the first part of the subject of the Spitzenbard of Kingston, and the Pippins of Newtown? New-york about forty-one degrees, or perhaps a little more, will sustain the grape-vine. The fruit produced in the country of New-York and its vicinity, is liam Cumberland, has been specially occupied for a considerable time in practical trials to bring phia, proves the vine to afford good fruit. The cider to that degree of purity and excellence, en-

I really wish, that farmers would turn their

vation, are, among others, the following:

1. The selection of the best fruit for making the particular ciders.

2. The rearing of a sufficient number of trees,

3. The securing thereby the ripening of the apples, at the same time, and at the proper sea-

4. The separation of the select apples from all unripe ones, and from all acerb varieties.

5. The removal of all dirt and heterogenous matters.

6. Attention to the clean and inodorous condition of the casks and vessels.

7. Proper attention to the process of fermentation, that it be checked by sulphureous fames, or

8. The construction of cellars or recesses along side-hills or slopes, for keeping and ripening the

9. Due attention to fining, racking, decanting, and precaution requisite for rendering it as complete as its nature will admit.

Whenever the state of society shall arrive, and would take on the vine, he dug up some vines in I hope it is not very remote, when the apple shall hears. The word cider does not convey to the the woods, set them out, and grafted them; and receive that culture and management of which it is susceptible, there will be produced among ourselves liquors or drinks far superior to the greater part of the imported wines, and approaching, with due care and art, the virtues of the most highly esteemed and fashionable of them all

I avail myself of this opportunity to congratulate you on the good already done by the members, and the prospect of an enlargement as well as a continuance of their useful labours; and I conclude my communication by a renewed assurance of my good feeling and high regard SAMUEL L. MITCHILL.

Extract from Observations on the Domestic Il ines of the United States, by the la e Dr. Rush.*

"It is to be lamented that the grape is not yet sufficiently cultivated in our country, to afford wine for our citizens; but many excellent substitutes may be made for it, from the native fruits of all the states. If two barrels of cider, fresh from the press, are boiled into one, and afterwards fermented, and kept for two or three years in a dry cellar, it affords a liquor, which, according to the

^{*} Sec his inquiry into the effects of ardent spirits

It affords, when mixed with water, a most agreeation should be made ready, in case the liquor ble drink in summer. I have taken the liberty of should become foul or turbid."

There is another method in the principal experiment which I made, after a with its peculiar symptoms and characteristics. is no objection to these cheap and home made not materially, variant from the foregoing. wines, that they are unfit for use till they are two; taste."

()

TO THE EDITOR OF THE AMERICAN FARMER.

TO PREVENT SMUT IN WHEAT.

Cumberland Co. (Va.) Sept. 13, 1824.

Dear Sir,-As the season for sowing wheat is now drawing nigh, I have thought it might be useful to such of your readers as have the misdiscovered but few years since, it has been extencovered,) in Flanders, and in France; and lately, actually made have been singularly and decisively successful. I have seen no intimation of any though it may have been done without making it will not be thought an expensive remedy. the results known to the public.

of that loathsome malady, I determined to try the effect of the blue vitriol upon it.

Journal, viz: "Dissolve five pounds of blue vitriol dy for smut; but entirely without success. The medicine has been plunged till this period. (sulphate of copper) in hot water; then add as much cold water as may be sufficient to cover lieve, when properly done proved effectual; but, three bushels of wheat, which should be passed besides that, in this part of the country, it is different total light grains much to lieve, when properly done proved effectual; but, besides that, in this part of the country, it is different total light grains much to lieve when properly done proved effectual; but, besides that, in this part of the country, it is different total light grains much to lieve when properly done proved effectual; but, be well as a factor of light and the light grains much to lieve when properly done proved effectual; but, be well as a factor of light as a factor of light and the light grains much to lieve when properly done proved effectual; but, be well as a factor of light and the light grains much to lieve, when properly done proved effectual; but, be well as a factor of light and the planted state in which as a factor of the planted state in which the p through a riddle in order that all light grains may ficult to procure the lime in a suitable state for swim on the surface and be skimmed off. After that use, the operation itself is attended with a being repeatedly stirred and cleared of light good deal of trouble, and the lime is apt to excoprains, the wheat is suffered to remain in the living the same opinion." I in one or two instances, from twelve to twenty-It is then taken out and thrown upon the floor .- not be amiss to state the opinion of that very reas likely to happen to a horse with little fat as If it is to be sown broadcast, it should be crusted spectable authority, Sir John Sinclair, that, "for one that has much; nor do I think that it resemwith lime in the usual way; but for drilling, it is the smut, when properly applied, it is an infalli-bles the dysentery of the human subject. Molten stirred about until it becomes dry, which it gene-ble antidote." rally is, in dry weather, in five or six hours. After the first two or three bags of three bushels each, have passed through this liquid, one pound P. S. I wish to call the attention of such of exercise, or such as have been recently taken of the sulphate should be added for each succeed-your readers as may be conversant with the sub-from grass, are most liable to it. Molten grease.

made, has the taste of Malaga or Rhenish wine, thus used; when a fresh quantity of the prepara-part of the country, by the name of the Carelina

od of making a pleasant wine from the apple, by ter dissolving five pounds of blue vitriol in hot adding four and twenty gallons of new cider to water, I added as much cold water as covered four ward of this, it is, unfortunately, too common, adding four and twenty gallons of new cider to water, I added as much cold water as covered four ward of this, it is, unfortunately, too common, three gallons of syrup made from the expressed bushels of wheat (gently poured in and skimmed, and too well known to need description. In this juice of sweet apples. When thoroughly fer- as directed above,) which, after remaining from country, also, it has been gradually and constantmented, and kept for a few years, it becomes fit four to six hours, was taken out, rolled in plaisfor use. The blackberry of our fields, and the ter, and sown immediately. Three bushels more, destructively prevalent on some adjoining plantaraspberry and currant of our gardens, afford like- which was as much as the solution remaining tions. Any one possessing the knowledge of any wise an agreeable and wholesome wine, when would cover, were then put into it, and after steepeffectual means of either prevention or cure,
pressed, and mixed with certain proportions of ing the same length of time, plaistered and sown sugar and water, and a little spirit, to counteract as the first, &c. &c. The other trials were made, our State, by making it known through the pages the disposition to an excessive fermentation. It with smaller quantities, in modes somewhat, but of the American Farmer.

The results were, 1st. A complete exemption or three years old. The foreign wines in com- from smut; the most diligent and repeated exammon use in our country, require not only a much inations not having detected a single head of smutlonger time to bring them to perfection, but to ted wheat in any of the three different places and more uniform height, as well as by the grea- from fever. ter size and firmness of its stems. 3dly. A supcriority in the quality of the grain. The latter, however, is the natural consequence of an invigorated and more healthy growth of the plant, by whatever cause it may be effected.

The result of the first trial made by Mr. Hipkys, as stated by himself, was, that "by the use

The entire success which has attended my use the following lotion: sively used in some parts of the continent of Eu- of the vitriol, has determined me to employ it rope, viz: Switzerland, (where it was first dis- again this year extensively. It is not a costly substance; that which I use having cost me but twenin England, where, though the trials have been ty cents per pound; which, allowing one pound fewer than might have been expected, yet, those to three bushels, would be less than seven cents

The species of wheat known in this part of the country by the name of the purple straw, and which is justly considered as one of the most hardy important also, that the stirring and skimming of healing the ulcers, let each of them be carefully and productive of the red wheats, has long been the wheat when first poured in, should be parti touched with lunar caustic, previous to the whole remarked as peculiarly liable to the smut. Being cularly attended to; as you thereby get clear of being washed with the lotion. It is said that the unwilling to abandon the cultivation of it, and all light and diseased grains. The great specific passage of a cow is sometimes affected in the desirous at the same time to free it from all taint gravity of the solution affords an additional facili same way, in which case the part may be syrinty for that operation, as many substances will ged with the same lotion float upon it which will sink in common water.

quor for five or six hours; but it has remained, blue vitriol is liable to no such objections; and, perfectly agree with Mr. Blaine as to the absurdity for the further enccuragement of those who may of Bartlet's theory or explanation of the disease, four hours without experiencing any bad effect, have any disposition to make trial of it, it may but do not think he is correct in stating, that it is

Very respectfully, your most obedient JOHN P WILSON.

quality of the apple from which the cider is ing bag, until from ten to twelve bags have been ject, to a disease among cattle, known, in this

DISEASES OF DOMESTIC ANIMALS AND THEIR CURE.

Mash .- The mash most commonly used is made prevent their being disagreeable even to the where the vitriol had been used. 2d, An invi-by pouring hoiling water on bran, or a mixture of gorated growth of the wheat plant—the produce bran and oats, and suffering them to stand till of the steeped wheat being easily distinguishable nearly cold. Mashes are sometimes made with from that of the wheat adjoining by its greater malt, particularly for horses that are recovering

Mattering of the Yard .- A discharge from the sheath of the penis, sometimes attended with excoriation or ulceration. The penis is to be drawn out and washed with some astringent lotion; such as that prescribed for the disease called Bull

Burnt, which see.

Bull, Burnt.—A local disease affecting the fortune to have their crops infected with the of blue vitriol, he had a beautiful crop of wheat sheath of the bull, which upon being drawn will smut, to communicate, through the American entirely free from smut, and every other disease," be found inflamed and ulcerated. In order to ex-Farmer, the results of some experiments made, In the second year's trial, "the result at har-amine the part, the bull must be thrown and plalast year, to test the efficacy of blue Vitriol as a vest was again crops of grain entirely free from ced on his back. The yard is then to be gently corrective of that disease. Though a remedy disease." drawn out of the sheath, and well bathed with

Powdered sulphate of zinc (white vitriol,)

four ounces.

Powdered acetate of lead (sugar of lead;) six ounces.

Water, one gallon. per bushel. When it is considered, ton, that the These are to be well shaken together, and filtered stock of wheat, once perfectly cleansed, may not through blotting paper. When this cannot be repetition of the experiment in the United States, require the application of it again for many years, conveniently done, let the mixture stand for some will not be thought an expensive remedy.

It should be borne in mind, that in order to give use. By washing the part three or four times,

Molten Grease .- "This disease," says Mr. To the use of it I followed, nearly, the method of Mr. Hipkys, of Birmingham, as stated by him his communication to the London Farmer's to have been successfully used by some as a reme-lest proofs of the pitiable state in which veterinagrease is commonly produced by violent or long continued exertion when a horse is not prepared for it. Horses that are fat and unaccustomed to

is, in fact, only a sympton, which sometimes at racefully. Some horses do not require this ope- leaving blunt ends to the flax, thus breaking the tends inflammatory fever or general inflammation. According to Gibson, 'molten grease is always accompanied with a fever, with heat, restless-their tails almost close to their buttocks are cerness, starting tremors or tremblings, great in tainly improved by nicking. The operation con violence in the treatment he has met with. His the tail, and a similar space should be left bepint of castor oil; but if the bowels are loose, and the dung of that greasy appearance before descri bed, let the horse take frequently some decoction of linseed, oatmeal gruel, or gruel made with ar row-root. When a horse has recovered from this disease, there may remain a tendency to costiveness which should be counteracted by bran mashes or green food.

Moulting .- About the latter end of September or beginning of October, horses generally suffer a change in their constitution, attended with some degree of weakness or faintness, at the same time a considerable change takes place in the thick ness and length of their hair; and though they do not usually cast their coats at this season as they do in spring, it is commonly called their moulting season. In the spring another moulting ing communications were made. takes place; the winter coat is thrown off and exchanged for one that is shorter and smoother. Consul U.S. Leghorn, announcing his having sent At these periods horses require particular care, to the Society, by way of Boston, a bag containing some species of the flies that attack farm stock and cannot bear exposure to rain, or cold winds, Bologna hemp seed, and Cremona flax seed: the undergo. Upon comparing these attentively, with particularly after having been heated by exercise, without suffering from it; hence arise colds, coughs, inflamed eyes, and swelling of the legs: at such times also they are unfit for severe work, particularly during the autumnal or October moult variably, for double of all other flax known. In-

and has raged occasionally from the earliest historical accounts. According to M. Sauvages, salt; it is highly fragrant and agreeable, and Professor of Medicine at Montpellier, who was leaves on the palate a refreshing and odoriferous cattle, producing what are commonly called waran accurate observer of the disorder when it ra- balm, while it invigorates the stomach and di- bles and sometimes death. ged with great violence in Europe, of twenty that were attacked with it nineteen died; no certain remedy had been discovered, nor any effectual mode of prevention, except separating the heal-thy from the sick. He recommends however bleeding and purging at the commencement of the disorder, with setons in the dewlap. After the operation of the purgative, he considers opiates, aromatics, &c. as the most proper remedies, The reader is referred for a further account of nication of information, as to the causes of the this destructive disorder to a Treatise on Cattle failure of Hill and Bundy's process for preparing by John Mills, published by J. Johnson, which con- flax for spinning, without dew-retting or watertains an abstract of the various opinions that have retting. been published on the subject.

ation, particularly such as are well bred, and are docked at an early age; but others that carry their tails almost close to their buttocks are cer in pulley about three weeks.

----FROM THE NATIONAL GAZETTE.

Philadelphia Society for Promoting Agriculture Sept. 21, 1824.

The Society held a stated meeting. The Presient Richard Peters, in the chair. The followdent, Richard Peters, in the chair.

1. A letter to Dr. Mease from Mr. Appleton, particularly during the autumual or October moult ing; their work therefore should be moderate, and their strength supported by food of the best quality. Should the horse appear much fatigued after his work, cordials will be found useful.

Alternation Alalisment Epidemic or Pestilen.

Year and their strength supported by food of the best quality. Should the horse appear much fatigued after his work, cordials will be found useful.

Alternation Alalisment Epidemic or Pestilen.

My A et Nordes world fall other flax known. In the Bot-Fly of Horses, (E strus Equi.)

2. Another horse fly, (E hæmorrhoidalis.)

3. The Red-Bot fly, (E Veterinus.)

The larva of these infest the cuticular lining seed, were also sent. The caulifowers seen by of the horse's stomach. The second species often after his work, cordials will be found useful.

Murrain.—Malignant, Epidemic, or Pestilential Fever.—This is the most serious epidemic that has ever appeared among domestic animals, very delicious. The fennel grows to the size of the horse's stomach. The second species often the first of the discount of the horse's stomach. The second species often the first of the discount of the horse's stomach. The second species often the first of the discount of the horse's stomach. The second species often the first of the second species of the second spe gestive organs.

wood, of two pannels of fence, to illustrate the entering the brain. account of his mode of resetting a fence, the The male and fer posts of which have decayed at the surface.

New Jersey, a manufacturer of canvass, to Dr. tion of some of the larvæ. Mease, in answer to one, requesting the communication

staple, and rendering it much less fit to make a strong smooth thread, than when the flax is prepared and dressed in the usual way. This difficulty might be obviated by adopting the process ward sickness, shortness of breath, and sometimes sists in making two or three incisions in the under now pursued in France in preparing hemp, viz. with the symptoms of pleurisy; and these sympart of the tail, extending quite across, or as far by first boiling it in snap and water to dissolve the toms are more or less aggravated according to a there is no hair produced. The first cut should gummy resinous matter which unites the fibre of the previous state of the horse, or the degree of be about two or three inches from the basis of both vegetables to the woody part—the solution or destruction of which is usually accomplished dung will then be extremely greasy; and he will tween the first and second, and second and third in Europe, by steeping them in pools of water, fall into a scouring, not unlike the greasy diarr incision. On making the second incision, if the water-retting,) and in the United States by exhœas that happen to men in somewhat of the like hres that happen to men in somewhat of the like hrest has been sufficiently deep, part of the musposing one of them to the dew in the summer, and circumstances," When a horse is attacked with the summer, which must be drawn out and the other to the weather all winter. The success circumstances," When a horse is attacked with cle will protrude, which must be drawn out and the other to the weather all winter. The success inflammatory fever, the symptoms are not always cut off. The bleeding is to be stopped by pledgthe attending the boiling process, as regards hemp, the same, but vary according to the part that ets of tow firmly bound on. The tail is now to (the discovery of the Abbe Brâlle,) is undeniable; happens to be most affected, and the violence of be kept in an elevated position, by means of a the experiments having been made before the the disorder. Thus, in inflammatory fever, there cord tied to the end of it, and passed over a pul-commissioners appointed by the French governmay be either inflammation of the lungs, of the low with a weight attached at the other end of ment. The results are detailed in the "Annales bowels, or of the urinary organs; or it may be attended with that peculiar affection of the muattended with that peculiar affection of the mucous membrane of the bowels, which constitutes ratus may be seen in a horse dealer's stable, where lished in the Archives of Useful Knowledge, vol. molten grease. Plentiful bleeding is the first and it is always kept ready. The morning after the 1. p. 198. The process of boiling in soapy water, most important remedy for this disorder; which operation the bandages are to be loosened; the effects in a few hours, what exposure to the dew, may be repeated after a few hours, should it appear necessary. If there be griping pains, and if the dung is voided in small slimy knobs, give a the part will be no longer compressed, and all separates the fibre from the wood, and prepare danger avoided. After the upper part of the the vegetables for the subsequent operations nebandage is cut through, nothing more is to be cessary for ridding them of the wood, and obtaindone; as matter forms in the wounds they will ing the fibre in a state for spinning. The boiling fall off. No kind of dressing or covering is ne-process, moreover, completely frees both vegetacessary for the wounds; indeed they heal soon-bles from the colouring matter, an advantage that en when exposed to the air, and left entirely to does not attend the mode of dew or water-retting. nature. It is generally necessary to keep the tail The vessels necessary for boiling them are simple and cheap; and in districts where flax is much attended to, the business of preparing it for the brake and hackle might be profitably pursued. Farmers would find it to their interest to pay toll for having their flax thus treated, and for being saved part of the trouble of boiling the thread and bleaching the cloth made from it-operations which are tedious and always necessary, when flax is treated in the common way.

4. Mr. John Meer, of Philadelphia, presented to the Society, a large painting on rollers containing twenty-six figures of the various forms which

stive organs.

5 Sheep Bot-Fly. (E. ovis,) infesting the nos2. Isaac Conard, of Lampeter Township, Lantrils and sinuses of the frontal bone of sheep, and caster County, Pennsylvania, sent a model in often causing death, by perforating the bone and

The male and female flies, the grub (larva) or bot, and the various forms of the pupa or chrysa-3. A letter from Mr. John Colt, of Patterson, lis, are all depicted, with the internal conforma-

0 NATURAL HISTORY.

Carrier Pigeons .- The first mention we find made of the employment of pigeons, as letter carthen published on the subject.

The principle cause assigned was, the force riers, is by Ovid in his "Metamorphoses," who required to separate the fibre from the woody tells us that Taurosthenes, by a pigeon stained ses, to raise the tail, and make them carry it more part of the stalk, whence the fibre was broken, with purple, gave notice of his having been vic-

to his father at Ægina. by Brutus to keep up a correspondence with the

besieged.

No. 29.

When the city of Ptolemais, in Syria, was invested by the French and Venetians, and it was ready to fall into their hands, they observed a two miles in two hours and a half. pigeon flying over them, and immediately con jectured that it was charged with letters to the garrison. On this the whole army raising a loud geons belonging to that city, who had been con shout, so confounded the poor arial post, that it veyed to London, and there let loose, made the was found under its wings, from the sultan, in one hundred and eighty miles, in six hours! which he assured the garrison that, "he would be with them in three days, with an army sufficient to raise the siege." For this letter the bespot where they had brought up their young, that siegers substituted another to this purpose, "that they are thus rendered useful to mankind. the garrison must see to their own safety, for the sultan had such other affairs pressing him, that is come to its full strength, it is carried in a basthe pigeon free to pursue his course. The garri-mile, then two, four, eight, ten, twenty, &c. till oak slats, three feet long, one inch and a half wide, immediately surrendered .- The sultan appeared of the country .- Percy Anecdotes. on the third day, as promised, with a powerful army, and was not a little mortified to find the city already in the hands of the Christians.

Carrier pigeons were again employed but with better success, at the siege of Leyden, in 1675 .-The garrison were, by means of the information thus conveyed to them, induced to stand out, till the enemy, despairing of reducing the place, withdrew. On the siege being raised, the Prince of raising them, I wish some gentleman, well ac-Orange ordered that the pigeons who had ren-quainted with cultivating them, would a dered such essential service, should be maintain-the following queries in your useful paper. ed at the public expense, and that at their death, they should be embalmed and preserved in the their growth? town house, as a perpetual token of gratitude.

In the east, the employment of pigeons for the seed in the ground? conveyance of letters is still very common; particularly in Syria, Arabia, and Egypt. Every ba. ground pro shaw has generally a basket full of them sent him broad cast? from the grand seraglio, where they are bred, and in case of any insurrection or other emergency, he is enabled, by letting loose two or more of these ful information relating to the raising of Onions. extraordinary messengers, to convey intelligence to the government long before it could be possibly obtained by other means.

In Flanders, great encouragement is also given to the training of pigeons; and at Antwerp there is an annual competition of the society of pigeon

In England, the use of the carrier pigeons is at present wholly confined to the gentlemen of the fancy, who inherited it from the heroes of Tyburn; with whom it was of old a favourite practice, to let loose a number of pigeons at the moment the fatal cart was drawn away, to notify to distant friends the departure of the unhappy cri minal.

The diligence and speed with which these feathered messengers wing their course is extraordinary. From the instant of the liberation, their flight is directed through the clouds, at an immense height to the place of their destination .-They are believed to dart onwards in a straight line, and never descend, except when at a loss for breath, and then they are to be seen commonly, at dawn of day, lying on their backs on the bottom of the crib or box. The back parts of ground, with their bills open, sucking in with the bands are secured by lock joints, and prevent-hasty avidity the dew of the morning. Of their ed from rising by buttons between the bands. speed, the instances related, are almost incredible.

The Consul of Alexandria daily sends despatch es by these means to Aleppo in five hours, though couriers occupy the whole day in proceeding with the utmost expedition from one town to the other.

Some years ago, a gentleman sent a carrier pi

tor at the Olympic games on the very same day! friend in St. Edmunsbury, together with a note, desiring that the pigeon, two days after the arri-Pliny informs us, that during the siege of Modena by Mark Anthony, pigeons were employed the town clock struck nine in the morning.—This val there, might be thrown up precisely when the town clock struck nine in the morning.—This was done accordingly, and the pigeon arrived in part, are in use in Hingham, (Mass.) and its London, and sew to the Bull Inn in Bishopgate neighbourhood. This contrivance obviates the an hour past eleven o'clock, having flown seventy-

At the annual competition of the Antwerp pigeon fanciers in 1819, one of the thirty-two pifell to the ground, and on being seized, a letter transit back, being a distance in a direct line of

It is through the attachment of the animals to

When a young one flies very hard at home, and it was impossible for him to come to their suc- ket or otherwise about half a mile from home, cour;" and with this false intelligence they let and there turned out; after this it is carried a son, deprived by his decree of all hopes of relief, at length it will return from the futhermost parts

---FROM THE NEW-ENGLAND FARMER.

ONIONS.

Sir,-I believe there has nothing yet been published in your paper respecting the raising of Onions. As I have had but little experience in quainted with cultivating them, would answer

1. What is the best kind of soil, or manure, for

2. What time of the season is best to put the 3. In what manner will the same piece of

ground produce the most,-in hills, drills, or

What is the best mode of preserving a quantity through the winter?—and any other use

Yours, truly, S. PRESTON. Stockfort, (Pa.)

IMPROVEMENT IN MAKING CIDER.

MR. FESSENDEN,-If you think that the following description of an Improved Hoop for pressing cider from the pomace will be of use to some of your readers, you may insert it in the New England Farmer.

Instead of the hoop formerly in use, a square box is made use of in this improvement. box is in the form of a cube three and an half feet each way. It consists of hard wood slats, or pieces of timber, three and an half feet long, three inches wide, and one inch thick, which are of an inch distance from each other.—These slats are secured to two joist bands which are made of hard wood, of three inches perpendicular diameter, and four inches horizontal diameter. The upper band is placed within twelve inches of the top, and the lower band within nine inches of the ed from rising by buttons between the bands. The front part of the box is kept in place by small tenons in the side-bars or joists, which te-

This construction renders it easy to take on the front bars and slats, in order to discharge the pomace. Hoops or boxes of this sort, excepting street, into the loft, and was there shown at half necessity of cutting down and new-laying the cheese, &c. for the purpose of extracting the liquor from its sides, according to the old method. I am, Sir, yours, &c.

> Dorchester, Sept. 22, 1824. J. MEANS.

IF A model of the machine above described may be seen at the office of the N. E. Farmer:

[BY THE EDITOR.]

In a Treatise on Fruit Trees, by William Coxe Esq. page 77, a box in some degree similar to that above mentioned, is thus described, as in use

in making cider from the crab apple.

"Three pieces of tough white-oak on each side, are connected together by tenons and mortices, so as to form a hollow square of five feet by four in the clear; on these cross-pieces are nailed whiteand half an inch thick, which stand upright when the crib is fixed on the press; the mortices are rivetted with iron bands, and the tenons secured by iron pins three quarters of an inch thick, to resist the pressure of the beam. In this crib no straw is necessary, the pomace being sufficiently fibrous and tough to prevent its passage through the slats, with the severest pressure."

The method described by M. Means, of de

taching the front part of the box or crib, by means of bolts and nuts, is, we believe, his own invention; and we are of opinion that it will prove a valuable improvement on the original invention.

DEAR SIR,-At the suggestion of some of my friends, who, as well as myself, have occasionally noticed in your valuable paper, several accounts of the weights and ages of different animals, and especially of swine, I have consented to trouble you with a description of one raised on my farm in 1821.

In the year 1821 there was raised on the farm of Mr. Thaddeus Leavitt, in Suffield, (Con) from one sow, three pigs which in the month of May, at seven weeks old, were killed, dressed, and sold, and weighed as follows, viz. the first weighed 28 pounds, 8 ounces-the second 31 lbs. 12 oz .- and the third 40 lbs. 4 oz .- and were all sold at 10 cents per pound .- Total weight of the three 108 lbs. 8 oz—at 10 cents per lb. \$10.05.

> ---From the Agricultural Almanac.

CHEAP METHOD OF FATTENING CATTLE. Communicated by Mr. Nathan Landon, of Litch field.

There is a way to fatten cattle, in the absence placed in a perpendicular position, at one fourth of the common means, scarcely inferior to the best, as the following instances will prove. I fatted an ox and a three year old heifer, the winter past, without either corn or potatoes, for less expense than even that of common keeping, by a preparation of cut straw, &c. as follows:-I boiled about two quarts of flaxseed and sprinkled on it cut straw, which had been previously scalded and seasoned with salt, together with some oil cake and oat-meal, working them together in a tub with a short pitchfork, till the whole became an oily mush. I fattened the heifer first. She was of nons pass into the front bars, and are secured by the common size, and in good order, to winter. I from hooks affixed to eye-bolts, passing loosely gave her about three pecks, which she ate vorathrough the front bar, and having wrench nuts at-clously, and in the course of four days, when the tached to the front ends of said bolts. The hooks seed was gone, she was visibly altered. I fed her geon from London, by the stage coach, to his are attached to staples driven into the side bars. regularly in this way about two months, in which

time she had caten about one hundred bushels of salt is quite as good for all these purposes as the proportion to the real value. The raisers of wool hoiled flax seed with other ingredients in propor tion.-When she was butchered, she weighed 584 pounds, 84 lbs. of which was tallow. She would not have sold, before fattening, for more than 16 dollars-I sold two quarters of her for \$18 13, She cost me not more than \$10, exclusive of the hay she ate, which was chiefly scalded as above. labour and employment (provided the labour of into the market well assorted and clean. On the first of February I began with the ox. fed him about 4 months, but not altogether as well as I did the heifer. He digested about one pint of boiled flax seed a day, prepared as above, which I suppose formed half the fat in these two cattle. The ox was short, measured 7 feet 2 inches, and tion, no doubt, why productive labour should, TO CURE THE GAPES IN CHICKENSwhen killed weighed 1082 lbs. had 180 lbs. of tallow. He cost me while fattening 25 cents a day. lity of a State.

He had previously cost me 35. My net gain in The William Shand, Captain Kerr, arrived a I observe, Mr. Skinner, a piece of advice for the fattening these two cattle was more than all I few days since direct from Port Jackson, (New cure of the gapes in young chickens, and the exhave cleared before in fattening oxen, and cows, South Wales,) which place she left on the 1st of in 15 years; and this is owing, I think chiefly to February, not having touched any where, and the use of flax seed. I never fattened cattle that made her passage round Cape Horn in 4 months two years, where the ravages of this disease were appeared so calm, so hearty, and digested all and five days. She has a full cargo of wool and so fatal among my fowls as to induce me to break their fare with so much natural ease and regularities eal cil; the former principally the produce of the appropriate remedy, I have at length succeeding the seal cil; the flocks of Mr. M'Arthur, and is much important the appropriate remedy, I have at length succeeding the appropriate remedy, I have at length succeeding the appropriate remedy. a good substitute for corn. I kept my cows on it alone in the month of March for one third the expense of hay. It makes rich milk and excellent settlements in that quarter, and the crops had butter. Farmers! by a proper attention to econo- been productive. my, one half of your corn may be saved, to produce abundance in the land, and your garners shall overflow with oil and fatness. I shall pur- which states that on Thursday morning the sea sue this method of feeding, and endeavour to emitted such a dreadful effluvia, as to awaken the improve it, and I trust I shall be enabled to say, inhabitants from their sleep. So pernicious were the half has not been told.

Litchfield, (Con.)

Extracts from late numbers of the London Farmers' Journal.

QUERIES ON SALTING HAY. Northamptonshire, June 14, 1823.

Sir,—Having heard of the great advantage of salting hay in the stack, and intending to try it this ensuing season, I should be much obliged to you, or any of your numerous correspondents, who would, through the medium of your valuable Journal, inform me whether the common salt is generally used for that purpose, and the proper quan-

TYRO. I remain, your constant reader,

We have given publicity to this letter in hopes of producing as fine wool as any country. that some of our correspondents will furnish us with real facts and experiments on salting hay: what we know of it from actual observation, and with the practice. We have read of such things as hay being totally spioil ed in the rain, and being salted in the stack it came out very good, and was much relished by cattle.—

Tot have repeatedly requested your requests in with the evidence given on behalf of the massive repeatedly requested your requests in the evidence given on behalf of the massive repeatedly requested your requests in the evidence given on behalf of the massive repeatedly requested your requests in the evidence given on behalf or the massive repeatedly requested your requests in the evidence given on behalf or the massive repeatedly requested your requests in the evidence given on behalf or the massive repeatedly requested your request in the evidence given on behalf or the massive repeatedly requested your request in the evidence given on behalf or the massive repeatedly your requests in the evidence given on behalf or the massive repeatedly your requests in the evidence given on behalf or the massive repeatedly your requests in the evidence given on behalf or the massive repeatedly your requests in the evidence given on behalf or the massive repeatedly your requests in the evidence given on behalf or the massive repeatedly your requests in the evidence given on behalf or the read of size of the prisoner request. Last week Browne, Esq. the Counsel of the prisoner, requested in the rain, and being salted in the stack it came we have always till last year sold it immediately in order that he might end or the prisoner request. Last week Browne, Esq. the Counsel of the prisoner, requested in the evidence given of the prisoner request. Last week Browne, Esq. the Counsel of the prisoner, requested in the evidence given of the prisoner request. Last week Browne, Esq. the counsel of the prisoner, requested in the evidence given of the prisoner request. The proposition of the prisoner request. The proposition of the prisoner request. The proposition i now and then (twice or thrice a week,) it would ed selling all, except a small lot from selected would justify him in doing so. soon be greedily devoured. But it does not follow, nor is it reasonable, that cattle should have none but salt hay to eat; first, because you do the wool at 45 cents in the dirt; it will waste not know how much salt you give them; and second, because the salt is an alterative, and ought wool that was in the dirt at 40 cents, and that will wool that was in the dirt at 40 cents, and that will "I sit here in the discharge of a painful, but the salt is an alterative, and ought wool that was in the dirt at 40 cents, and that will "I sit here in the discharge of a painful, but the salt is an alterative, and ought wool that was in the dirt at 40 cents, and that will "I sit here in the discharge of a painful, but the salt is an alterative, and ought wool that was in the dirt at 40 cents, and that will "I sit here in the discharge of a painful, but the salt is an alterative, and ought wool that was in the dirt at 40 cents, and that will "I sit here in the discharge of a painful, but "I sit here in the dirt at 40 cents, and the part of Mr. Winder, and was refused by Mr. President Levy, who in delivering his opinion, expressed himself nearly in these terms." not to be made an article of daily use. It will probably pall the appetite, and it is obvious that condiment, useful to digestion; whereas it is certile sheep, at 56 cents. My father's lot of 3,000 lb. his slave. I feel the importance of the subject tain that no such matter is constantly wanted.— was all in the dirt, and the flock 1 3 full blood, the under my consideration in every point of view; We are very sensible of the utility of salt for cat-tle and sheep; but especially in elevated districts, about 50 per cent. and he sold it at 40 cents; all the master and the nation. Holding no slave my-and on cold clay land. It is probable that salt it six month's credit. Wool washed on the sheep healf and without and without an armond the salt it six month's credit. and on cold clay land. It is probable that salt at six month's credit. Wool washed on the sheep, self, and without any expectation of ever holding may occasionally be given with advantage to all 3-4 to 7-8 blood, ...clls here generally at 42 to 50 one, I am certainly disinterested, and if it were cattle and sheep (especially ewes in lamb, or cents. Our manufacturers have not as yet paid an unsettled question, if, in the language of Lawsuckling,) during the cold spring season. Rock for fine wool as much as they have for course in yers, it were Res Integra, I should probably en-

other, -but it should be bruised fine until they learn to take it .- Edit, Farmers' Journal.

In a petition lately presented to the House of Commons from Middlesex and Surry, a curious table was exhibited, to shew the importance of the employed return value to the employers.)-Five millions of labourers at 12d. a day, receive und distribute £91,250,000 annually; and if their families, on an average, earn as much, it amounts to £182,500,000. A very important considera above all things, be provided for by the civil po-

its effects that the fish taken were nearly dead. The sea appears covered with a sort of oily matter for miles along the coast .- Exeter News.

0 TO THE EDITOR OF THE AMERICAN FARMER.

WOOL—various samples—late and present prices compared.

my Saxon and Merino Sheep, and a sample of as the prisoner said he had Counsel and wished wool from the skin of a wild sheep, native of N. time to procure witnesses from Chester County to America. This sheep was killed near the Rocky prove his freedom, time was allowed him for that Mountains, and the skin is deposited in a room in purpose until this morning, the 23d, at half past the New-York Institution, and there remains for nine. He appeared at the time and produced one tity per ton, and manner of laying it on; and also of the proper sort of salt to be given to cattle, a loose lock taken when the worms had seperated and the best method of giving it them. convince any man that North America is capable he had absconded from Northampton County,

sheep, which I sold at 70 cents, washed on the waste about 45 per cent, and was from a flock imperious duty. I am called upon as a Judge, to averaging full 15 16th merino blood; and the wool deliver the prisoner to the claimant, as his masto do good it must become by habit a species of taken last year from the same flock, washed on ter, in order that he may remove to Virginia as

ought not to be compelled to send their wool from tome, and pay five per cent, for selling, and the manufacturer ought to be willing to encourage the growing of wool by purchasing directly from the tarmer. If wool is even sent from the farm, it ought to go into the hands of a stapler, and pat Hartford, (Conn.) 1st Sept. 1824.

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FOR THE AMERICAN FARMER.

AN EFFECTUAL REMEDY.

traction of the worms which produce them .-Having lived in a low, damp situation for the last above preparation to the attention of farmers as proved in fineness, in better condition for market, ed. It is this: Take as much kitchen soap as ed offectual on the first application almost always; We have just seen a letter from Dawlish, next to impossible that it should fail.

FROM THE DEMOCRATIC PRESS.

September 23, 1824.

This morning the case of Negro George came before the President of the District Court and was decided by him. He had been claimed as the runaway slave of a Mr. John H. Winder, of Northampton County, Virginia. Two witnesses had sworn on Tuesday last, to their knowledge of his having been in the service of the said Winder, Sir, —I enclose you a few samples of wool from and held by him as a slave for several years—but producing as fine wool as any country. What he deposed was in no manner inconsistent You have repeatedly requested your readers in with the evidence given on behalf of the mas-It is true that such hay would serve as a men- merchant to pay five per cent. for selling. Last himself to give the court no trouble, unless the struum for the salt, and if a little of it were given year we had but one offer for our wool, and refus- evidence should be obtained, which in his opinion

This motion was objected to by Wm. W. Haly,

justify such a claim. But I do not sit here to ex press my own speculative opinions on the theories of others, but to pronounce the law as it has been

The Act of Congress does not, intend (at least, so it appears on the face of it) a Trial, the proceedings are meant to be summary, and it would substitute or supersede the Reports of Debates for perhaps be sufficient, if evidence on the part of the master alone were heard by me, because, when the slave reaches his master's State, the law provides that the question of slavery, may be there tried. (His Honor then referred to a case in 5th Serg't, and R. 62, to show that this construction of the Act of Congress had been The REGISTER" is necessarily an experiment,

the laws of Pennsylvania have directed me to those who engage in the duties of political life, for the first Session of each Congress, be its conmake a record of my proceedings in all such cases. That Constitution and the Acts of Congress, passed in conformity to it are the Supreme Law with indexes which might lead the inquirer to scribers. of the Land, to which the most imperious principles of duty and interest oblige me to conform. Let it be recollected that this constitution gave us the rank and high standing among nations which have no hesitation in asserting that the possession we now enjoy. It never could have been adopt of such a one, from the commencement of the ed, it never could have been ratified by a majori- existing government to this day, would be of imty of the States, if the clause alluded to, or some mense value to the nation, were it only to show equivalent provision, had not been introduced into what has heretofore been said upon questions antog them, whom they had been that have past, will, as soon as they are gone, be accustomed to consider as their property, and equally true of those in which we live.

whom their laws had authorised them to hold,! It is not only, therefore, as a vehicle of present and treat as such. Let us do them the justice to information, but also as a book for future refer-temperately, eating little animal food, and that forced upon them against their will. Some of the Book, that we hope this work will be both useful Colonies, particularly Virginia, had passed laws and popular. laying a duty of £20 sterling per head on their From the lowness of the subscription to this was sufficient to prevail on George the Second to patronage to make it profitable. repeal the Act. However this may have been, it is certain that the Southern States would not have entered into the Union, or continued in it without the recognition of this right, so all important to them. I shall not therefore do what lays in me, to sever, or endanger the Union by GISTER OF DEBATES IN CONGRESS will com-time to those disposed to fulfil them; and now, speculative questions, but act in conformity to mence as soon as the Debates at each successive

right under the Acts of Congress, and of the columns of the National Intelligencer. It will contain as full and accurate believe that he is likely to obtain any testimony can be obtained of all Debates on main questions, that could be useful to him; as my determination and of all interesting Debates on incidental ques-

moved to Virginia.

() (m

PROSPECTUS .- According to an intimation heretofore given, there will be published at the Office will, with the Appendix, make a volume of five of the National Intelligencer, during the next ses-hundred pages, at least, and will be furnished to sion of Congress, and, if encouraged by the approbation of the public, at every session thereaf published, (or reserved at this Office, at the sab ter, a REGISTER OF DEBATES IN CONGRESS, in-scriber's option,) at three dollars for the volume, tended to comprehend a more full Report of the be it more or less, to be paid in advance in all ca

declared by the paramount authority of the Uniof the most authentic cast, printed with great regard to accuracy, and in a form for durable pre-

the National Intelligencer, but rather, by withdrawing the heavy and extended Reports from its columns, to enable that Proprietors of the Jourform, intelligible Reports of the Proceedings and ing the next, and of the first Session of every Con-

any subject debated, and to the name of any one who engaged in debate. Such a work would be an elementary book for young politicians, and we

say that in some instances, the slaves had been ence-as a National Political Repository and Text-not as an aliment so much as a condiment for the

sometime about the year 1750; the Royal Gover- the contrary, we shall, in all probability, lose mo-

GALES & SEATON.

Washington, September, 1824.

CONDITIONS.

will not settle the question whether he is a slave tions; with an Appendix, containing a List of the intervals of sleep; but whether I retire to bed or not. I hold myself bound to decide that he be Members of each House, the Yeas and Nays in early or late, I rise with the sun. I use spectadelivered to the agent of his master to be re- each House on questions which have been the supthe subjects of Debate, as may be deemed essen tial to enable the reader to comprehend them, and REGISTER OF DEBATES IN CONGRESS, proper Indexes to the whole.

The Debates of the next Session, it is computed Speeches on topics of general interest, in each see of transmission beyond the limits of the city. two or three times in my life.

tertain strong doubts how far human laws could House of Congress, than has ever heretofore been [The sheets will be transmitted as completed, sublished, or than can be given to the public without regard to any particular days, as the pubbrough the ordinary and limited channel, the co-lication must of course be regulated by the prelumns of a newspaper. This compilation will be paration of the matter of which it is to be com-

The subscription will in no case, unless within the city, and not then unless specially indicated, be understood to extend beyond the volume actu-

ally paid for in advance.

To non subscribers the price will be four dollars, bound in boards, for the volume now announced.

The Debates of the Session of Congress followgress, will, it is supposed, fill about one thousand pages, or perhaps more, making one very large adopted in Pennsylvania.)

The Constitution of the United States, has recognized and established the master's right, and interest in our political history, as well as all ration of the second. The price of the Register must have felt and lamented the want of a Record tents more or less than 1000 pages, will be fixed of Debates in Congress, in a convenient form, at FIVE dollars to subscribers, and six to non-sub-

> Copy of a letter from President Jefferson to Dr. Vine Utley, of Lyme, Conn. dated Monticello. March 21, 1819.

Sir,-Your letter of Feb. 18th, came to hand on the 1st inst. and the request of my history of it. The inhabitants of the Southern States had which are continually recurring for discussion, physical habits would have puzzled menot a little, then a vast number of those unfortunate people and producing needless consumption of time by had it not been for the model, with which you acamong them, whom they had inherited from their superfluous debate. What is true of the years companied it, of Dr. Rush's answer to a similar vegetables, which constitute my principal diet. I double, however, the Doctor's glass and a half of wine, and even treble it with a friend; but halve importation, which would have amounted to an work, it will be seen that it is no part of our calits effects by drinking the weak wines only: the exclusion. Such a law was passed in Virginia, culation to realize any present profit from it. On ardent wines I cannot drink, nor do I use ardent ardent wines I cannot drink, nor do I use ardent spirits of any kind; malt liquors and cider are my nor agreed to it, but when it was transmitted to ney by it for a year or two, heping that thereafter table drinks, and my breakfast, like that also of England, the influence of the African Company its established character will ensure it a sufficient my friend, is of tea and coffee. I have been blest with organs of digestion, which accept and concoct, without ever murmuring, whatever the palate chooses to consign to them, and I have not yet lost a tooth by age.

I was a hard student until I entered on the bu-The publication of Gales & Seaton's Re- sides of life, the duties of which leave no idle retired, and at the age of 76, I am again a hard that Constitution which is the ark of our safety, Session of Congress shall afford materials to fill a student. Indeed my fondness for reading and stuthe foundation of our glory; that has furnished half sheet, (8 pages)
the great model for newly emancipated nations to fashion their charters of freedom by, and which on a super royal paper, made for the purpose, and dislocation, make in the drudgery of letter writing; and a stiff wrist, the consequence of an early on a super royal paper, made for the purpose, and dislocation, make in the drudgery of letter writing; and a stiff wrist, the consequence of an early dislocation, make in the drudgery of letter writing; and a stiff wrist, the consequence of an early state of the drudgery of letter writing; and a stiff wrist, the consequence of an early state of the drudgery of letter writing; and a stiff wrist, the consequence of an early state of the drudgery of letter writing; and a stiff wrist, the consequence of an early state of the drudgery of letter writing; and a stiff wrist, the consequence of an early on a super royal paper, made for the purpose, and the charge of the master's comprising nearly as much matter as one of the says he was—devoting to it from five to eight thous. hours, according as my company, or the book I It will contain as full and accurate Reports as am reading, interests me; and I never go to bed without an hour or half hour's previous reading cles at night, but not necessary in the day, unless ject of Debate; such Documents, connected with reading small print. My hearing is distinct in particular conversation, but confused when several voices cross each other, which unfits me for the society of the table. I have been more fortunate than my friend in the article of health: so free from catarrhs, that I have not had one. (in the breast I mean,) on an average of eight or ten cears through life I ascribe this exemption partly to the habit of bathing my feet in cold water every morning for sixty years past. Af ver of more than 24 hours I have not had more than

AGRICULTURAL EXHIBITION,

The Pennsylvania Agricultural Society will hold heir second Cattle Show and Exhibition of Agri altural Implements and Products, near Chester, n Delaware county, on the 14th and 15th days of O nober next, when there will be a most inter esting display of fine stock of every description -as well as of new and useful Implements of Husbandry, articles of domestic manufacture, &c. can scarcely conceive of a more noble spectacle, than to see in assemblage of intelligent and spirit ed farmers, producing together the choicest fruits of their skill and industry-lib-rally exchanging their opinions, and diffusing the lights of their experience, for the common good. The mere obtaining Premiums offered-however gratifying to successful competitors—is but a secondary consideration in comparison with the benefits to be derived from such exhibitions, when duly improved. It is the information obtained—the new views respecting the character and qualities of Stock-and above all, the facilities which a general display affords, for procuring and diffusing, at a reasonable expense the most desirable breeds of Cattle, and most valuable Implements of Husbandry-as well as a knowledge of the most approved Crops, and modes of tillage: these are the great and truly important objects of the institution In this way, information may be disseminated, by a single exhibition, to an extent which would otherwise have required an age to accomplish.

The sons of farmers too, are invited in an especial manner, on this occasion, to come forth and take hold of the Plough, in a generous spirit of emulation, and exhibit their skill and dexterity in that noble employment. In addition to the Premium held forth exclusively for Farmers and their sons, it is also designed to grant another premium to the best Ploughman who shall enter the lists without restriction, as to the candidates, and free the competition of every man For this libe ral proposition, the public are chiefly indebted to John Hure Powel, Esq. of Philadelphia County, a gentleman whose zeal, public spirit, and indefatigable industry in the cause of agriculture, emi ently entitle him to the thanks and admiration of the farmers of Pennsylvania.

A Chester County Farmer.

0 AMERICAN CANALS.

Three hundred and thirty miles of the New-York Grand Canal will be navigable this fall: and the Agricultural Society of Maryland will bring it will be opened into Lake Eric next year: es. himself, and encourage his neighbours to bring it; a person purchasing one and not liking it may tablishing an uninterrupted intercourse between to the Show whatever may be at all extraordina-return it, if uninjured, and the money refunded. · the city of New-York and Lake Superior.

many other Canals to be made, and to be suc-

The Canal between Philadelphia and Baltimore will probably be opened next year; and the either privately or by an auctioneer at the ex-Chesapeake and Ohio Canal commenced. When pense of the Society. It will be a good market effected.

We hope soon to hear of spirited measures for

ERRATA .- I observe you have published my notice of the Hereford Bull and Heifer-in it you say I take Calves as heir HEAL value, it should be VEAL value.

THE FARMER

BALTIMORE, FRIDAY, OCTOBER 8, 1824.

The prospectus of Messrs. Gales & Seaton. published in this number of the Farmer, speaks for itself, and we need not dwell upon the great convenience and utility of having a faithful "RE GISTER OF DEBATES IN CONGRESS" with the Yeas and Nays on all questions. The great experience and well known abilities of the Editors ive assurance that he undertaking will be well executed; and we shall be happy to take, at the Office of the American Farmer, the names of all who may be disposed to subscribe.

We avail ourselves of the latitude given by our obliging "Correspondent on a visit at Sarato. go," to lay over his letter touching the cost, revenue, advantages, &c. of the New-York Canal, as well as other letters received for him, but shall embrace the first opportunity to present them to our readers.

SILAS HARLAN, Esq. of Kentucky, will deliver six or eight Elks, male and female, in the State of Maryland before Christmas next, under a responsible engagement to pay him one hundred dollars for each. Persons desiring to purchase may enquire of W. F. Redding, Esq. Office of American Farmer, Baltimore.

Respectfully informs the public he has on hand PLOUGHS and AGRICULTURAL IMPLE-MENT'S of various kinds, which are warranted to run well and condaints.

at the Maryland Tavern, on the Frederick road, four miles from Baltimore, are Monday, Tuesday, and Wednesday, the 25th, 26th, and 27th of this month, (October.)

TAt said Show there will be premiums distributed consisting of various pieces of Silver Plate, amounting to \$1040. As follows:-

For best cultivated and most profitable farms \$100 Crops of various kinds Horses of different kinds and ages Asses and Mules Neat Cattle 35 Sheep 40 30 Swine Ploughing . . Butter . 46 Household Manufactures . 110 Implements of Husbandry .

Cider.

IF It is earnestly hoped that every friend of A concave corn sheller for y and worthy of exhibition, whether for premi-The success of the Grand Canal will cause um or not—if it be only by way of encouragetany other Canals to be made, and to be sucment. Live Stock of any kind may be exhibited, be supplied with all the iron work, at the lowest either for premium or to gratify the publick, and price Stock of every kind may be sold on the ground, either privately or by an auctioneer at the exthis is made, an inland voyage between Norfolk, for those who have for sale fine Horses, Hogs, Balti nore, &c. &c. and New-Orleans, can be Sheep, and Cattle, especially Cattle and blood Horses

The Pennsylvania Cattle Show, No. 2, it will be borne in mind takes place at Chester, on

This paper went to press on Wednesday instead of Friday, in consequence of the expected sons employed in the Printing Office.

PRICES OF COUNTRY PRODUCE -- carefully collected every Thursday, for the American Farmer. By ROGERS & STMINGTON.

Flour, Howard-St., \$5 371 a \$5 50-do wharf, \$5-Wheat, red, \$1-Lawler, do \$1 a \$1 05-Yellow, do 38 cents—Rye, 37½ cents—Oats, 22 a 25 cents—Whiskey, 26 a 28 cents—Clover Seed, white, per lb. 37½ cts.—Red, do per bushel, \$4.75 —Saplin, do 5775—Timothy, 3—Orchard grass, 32 50—Herds grass, 2—Herrings, No. 1, 82 25— No. 2, \$2—Hay, per ton, \$10—Leather, best Sole,24 to 27 cts.—Feathers, live, per lb. 30 a 35—Cotton, Louisiana, 16 to 18 cts.—Georgia, Upland, 15 to 17 cts.-Alabama, 13 to 15-New Wool, 30 to 35 cts.-Merino full blooded 35 to 40 cts.- 3 do 30 to 35 cts. - 1 do 25 to 28 cts. - Common, 20 to 25 cts.—25 per cent, more when well washed on the sheep and free from tags—Coal, pit, foreign, 40 cts.—Virginia, do. 20 to 25—Susquehannah, do 5 50 to \$7-Lime, bushel, 30 to 33 cents.

Tobacco .- No sales since our last report.

To Farmers.

CHARLES B. PALMER, No. 41, LIGHT-ST. BALTIMORE, 7 DOORS FROM PRATT-ST.

to run well and made in the best manuer, and for the convenience of persons at a distance (to order) It will be remembered that the days fixed he has mought proper to affix his prices. Persons for the next Maryland Cattle Show to be held disposed to parchase, will please call and examine for the uselves.

	r enns iva	ima bai	гэна	res for see	earng -		
ŀ	duck bi	11			•	\$5	50
l	Do.	do.	do.	Coltered		6	50
l	Do.	do.	do.	2 horse	\$7	1 to 11	00
ŀ	Do.	do.	do.	3 do.	1	2 to 14	00
I	Patent 2 l	horse's	elf-sh	arpening	Plough	10	00
	Dutch or	left hai	nd Pl	ough for 2	horses	10	00
	A few of I	Freebon	rn or !	N. York P	loughs,		
	will be	sold los	w for	cash, 1, 2	, 3, and		
	4 horse	, some	for o	xen		7 to 9	00
	Wood's c	ast iron	Pln	ighs of P	hiladel-		
	phia					5 to 9	00
	Yankee o	r Conn	t. Pla	ugh, No.	1	4	75
	Do.	do	de	No No	2	, 5	25
	Do.					5	75
	Cutting P	oxes w	ith t	reddles S	8, with-		
	out tred					5	CO
	Wheat fa	ns of th	he old	kind S18	3, shak-		
	ing scre			~		25	00

Which will shell as fast as one person can feed Agricultural tools on hand to suit seasons.

Persons disposed to manufacture Ploughs, can

All repairs done immediately.
CHARLES B. PALMER.

CONTENTS OF THIS NUMBER.

Treatise on Soils and Maoures by a practical Agriculturist continued from our last—Appendix to Dr. Hosack's Address to the Horticultural Society of N. York—To prevent Sout in Wheat—Diseases of Domestic Animals and their cure making the Canal from the Atlantic to the Pacific, through a part of the Colombian Republic. If this Great Republic prospers, as we trust it will, the important work will be achieved.

Boston Palladium.

will be borne in mind takes place at Chester, on Thursday and Friday next, the Philadelphia Society for Promoting Agricultural, Sept. 21, the Delaware, on Thursday and Friday next, the Philadelphia Society for Promoting Agricultural, Sept. 21, the Delaware, on Thursday and Friday next, the Philadelphia Society for Promoting Agricultural, Sept. 21, the Delaware, on Thursday and Friday next, the Philadelphia Society for Promoting Agricultural, Sept. 21, the Delaware, on Thursday and Friday next, the Philadelphia Society for Promoting Agricultural, Sept. 21, the Delaware, on Thursday and Friday next, the Philadelphia Society for Promoting Agricultural, Sept. 21, the Delaware, on Thursday and Friday next, the Philadelphia Society for Promoting Agricultural, Sept. 21, the Delaware, on Thursday and Friday next, the Philadelphia Society for Promoting Agricultural, Sept. 21, the Delaware, on Thursday and Friday next, the Philadelphia Society for Promoting Agricultural, Sept. 21, the Delaware, on Thursday and Friday next, the Philadelphia Society for Promoting Agricultural, Sept. 21, the Delaware, on Thursday and Friday next, the Philadelphia Society for Promoting Agricultural, Sept. 21, the Delaware, on Thursday and Friday next, the Philadelphia Society for Promoting Agricultural, Sept. 21, the Delaware, on Thursday and Friday next, the Philadelphia Society for Promoting Agricultural, Sept. 21, the Delaware, on Thursday and Friday next, the Philadelphia Society for Promoting Agricultural, Sept. 21, the Delaware, on Thursday and Friday next, the Philadelphia Society for Promoting Agricultural, Sept. 21, the Delaware, on Thursday next, the Philadelphia Society for Promoting Agricultural, Sept. 21, the Delaware in Thursday next, the Philadelphia Society for Promoting Agricultural sept. 21, the Delaware in Thursday nex report of a case of a runaway Negro—Prospectus by Gales se Seaton for publishing the Debates in Congress—Copy of a stead of Friday, in consequence of the expected letter from President Jefferson to Dr. Vine Uttey, of Lyme, arrival of Gen. La Fayette on Thursday, and John dated Monticello, March 21, 1819 - Agricultu at Sothe consequent discussal, for the day, of the per-ciety— American Canals—Editorial remarks—Prices Gurrent-Advertisements, &c.

AGRICULTURE.

ON SHEEP.

[The readers of the Farmer have already been apprised that the Editor bears in mind the growing importance of SHEEP HUSBANDRY, to a large portion of the American Farmer, and that he will embrace every suitable occasion and avail himself to his subscribers the most correct views of this interesting subject. In pursuance of this intention it seems best in the first instance to speak of the various breeds of Sheep and their general properties, descending hereafter to more particular descriptions and more minute details, as to the various qualities of wool and the best modes of preserving those qualities, and the preparation of the article for sale or family manufacture; together with reflections on what is necessary to establish a better and more permanent market. To these must be added minute directions as to breeding, feeding, management, &c. of Rams, Wethers, Ewes in lamb, young lambs, &c. &c. As an entering wedge in the prosecution of the design here briefly described, we are glad to have it in our power to present a valuable paper from the pen of a gentleman so thoroughly acquainted with all brought, makes it less valuable for the shambles, less loaded with fat, showing more proof within, the points and properties of domestic animals, as J. than the most common sheep, bred upon the worst affording mutton of finer texture, and better H. Powel, Corresponding Secretary of the Penn-managed farms If the market afford a test, by flavour, than any breed known. Their form is sylvania Agricultural Society.

The communication which follows, is taken from a work just published by the Editor of the American Farmer, entitled, "Memoirs of the Pennsylvania Agricultural Society, with selections from the most approved authors, adapted to the use of the Practical Farmers of the United States;" for which he has found it necessary to secure the copy right, on account of the great cost of printing and publishing the book. The price of the volume will be two dollars: about 300 pages, and numerous copper-plate engravings.]

Edit. Am. Farmer.

ON VARIOUS BREEDS OF SHEEP-their Origin, Peculiarities, and Properties.

By John Hare Power, Esq.

Powelton, Philadelphia Co. 1824. Dear Sir,-The importance of Sheep husbandry will not be questioned in a country, whose boundless forests have not been subdued, yet whose wants are so various, that foreign beef, and or ignorance has brought her to submit. The rage of speculation, which the nature of our institutions, not less than the circumstances of the country, cannot fail to beget, has been manifested, alike in our agricultural pursuits, and our combutcher, myriads of the extraordinary race, which profitable, but from the deduction, by figures,

stances, wherein it is placed. A due quantity of appendage, is the result of art, I think every sheep, in most situations, is found the source of breeder, will agree with me, that it is as absurd great profit to the husbandman, whilst they afford, to propagate a race of animals, carrying if 1 the means of ultimate improvement to the land. Their breed, is a matter of serious consideration, tail, which however delicate to the palate of a and in some countries of Europe, distinguished by Turk, is not likely to become fashionable in good policy, it is considered so important, that it America, and therefore, cannot be more profitable, has been made a subject of legislation, to guard by than any other augmentation of offal, as it would of all accessible sources of information, to impart the severest penalties, against the exportation of be, to seek the enlargement of bone. any individual of this valuable race.

of Merinoes was fortunate, merely, as it gave the on more fat-affording more weight, with less means of crossing various breeds of our native, offal, than any family of sheep known. would equal, but one dollar twenty-five cents each.
The weight of its carcass, may fairly be stated at usually eaten by the more wealthy classes of from thirty-five to forty pounds. The bad quality of the mutton, or its ill appearance upon the stall, or possibly some prejudice, existing against it in this country, as in Spain, whence the animal was staple, and much less weight, smaller carcases, the backled with fet, showing presented with fet showing presented with fet showing presented with fet showing presented and presented with fet showing presented and presented a for which Pennsylvania is indebted to the liberali- or would starve.

stock, should bear to each other upon a farm, can tail. Without attempting to decide, in favour of animals, which require as much nursing and care,

be determined only, by the position, and circum-the suggestions of Mr. Livingston, that this

Dishley sheep, are remarkable for arriving I have always considered, that the introduction early at maturity, for consuming less food-laying and imported sheep; not in affording, the materi- are not hardy, their flesh is not so delicate in al for clothes, fitted but for the rich, and crooked flavour, nor is their proof within so good, as that ill flavoured little carcasses, disdained even by the of the Southdown, and some other breeds. Their poor. The average weight of the fleeces, pro-duced by the best Merino flocks, when made per-fectly clean, seldom exceeds two and an half the place, which gross mutton finds in England, pounds per head, which at fifty cents per pound, pure Dishley sheep never can, I apprehend, be

which its value can be shown, it may be stated, not so accurate, their fore-quarters being lighter, that no mutton is so little sought. Several sheep their necks longer than those of Dishley sheep; have been brought, within fifteen or twenty years but their chests are sufficiently wide to afford from Great Britain, Ireland, Germany, and Hol- ample space for the position of their lungs; upon land, to this and the neighbouring states. The the healthful action of which, all scientific and most valuable which I have traced, are the South- practical men agree, the vigour, and useful down, Dishley and Teeswater sheep, carried by secretions of the animal, must depend. They Captain Beanes to New-Jersey-those brought to are much more hardy, have not much more Pennsylvania by Captain Jeffreys-a male and an offal; they consume rather more food, in proporewe imported by Mr. Waln-some Teeswater, tion to their size, than Dishley sheep, but by and Dishley sheep, taken in a prize to N. York—their vigour and activity, are enabled to find the Texel sheep imported by Col. Perkins of Bos-support, and to thrive upon bleak and barren hills ton-and the admirable Tunisian mountain sheep where Dishley sheep would die from exposure,

ty of Col. Pickering, "who having received them in a national ship" caused them to be distributed Jersey, Delaware, and Pennsylvania, are derived in this state, in preference to his own. I know no from Beane's importation of Dishley, Southdown instance, of improvidence, or want of judgment, and Teeswater, mixed in some instances with more glaring among Pennsylvania farmers, than Merino, native, and Jeffrey's breeds. Some inhas been evinced, in their neglect of one of the most dividuals, are strongly marked, not only by the useful and most hardy families of sheep, which in speckled or smutty faces of the Southdown, but this country, I have ever seen. The praise, which by their fleece and peculiarities of form. The unmanufactured European wool, are consumed, has been bestowed upon them, by a zealous, and one excellence of the mutton, would be cited to prove whilst neither trade, nor manufactures, regularly meet the ruinous drafts to which improvidence, or ignorance has brought her to submit. The has satisfied me, is just. They arrive early at stood, that the texture, and quality of the mutton, maturity, carry good fleeces, afford delicate mut- have been exceedingly improved by the Southton, lay their fat well within, and except the down, or native cross-although the value of the Dishley and Southdown breeds, are more easily fleece, and excellence in form, have certainly kept, than any sheep I can find. The great ob- been diminished. I conceive that extraordinary mercial career. It is scarcely to be believed, that jection to them, is the obstruction, opposed to size is not to be desired in any domestic animal, city, could have been brought to so wildly embark, in the adventurous scheme, of manufacturing cloths for themselves, and raising wool for the European world, as to give fifteen years since, a thousand dollars for a sheep, and now have been led to abaudon the object, which they had so ardently sought, condemning to the knife of the butcher, myriads of the extraordinary race, which I have obtained I believe, the remnant of the nursed both by night and by day at the season of alone, it had been contended, could rescue us best flock, which could at any time have been yearing, with all the attention which the low from national degradation and want. The great found in this state. I have crossed them with price of labour, and high price of land only can mistake, into which our speculative farmers were Beane's mixed Dishley and Southdown stock. I justify, I should recommend thorough bred Dishled, arose not from the belief, that sheep were hope to obtain the hardiness, and fine mutton of ley sheep. But whilst our attention must be Tunisian sheep, with the better form, smaller chiefly directed to the propagation of stock, that themselves and their farms could be successfully devoted to the propagation and management
of sheep alone.

The propagation of stock, which the different binds of the other family, without a man may become possessed in fee of an acre of The proportions, which the different kinds of the useless incumbrance of an heavy and broad land, it would be absurd, to introduce a family of

You, 6.-30.

as the hardy settlers in the forests or America generally devote to the young of their own race. that certain principles necessary to fertility are is formed,—how are plants which depend still I am therefore endeavouring, to "breed out" the derived from the atmosphere, which are exhaust-more on the nutriment lodged in the soil, to be Dishley blood, to obtain the Southdown, in as ed by a succession of crops, and that these are grown in full crops, where the quantity of manure much purity as possible, from the mixed race, again supplied during the repose of the land, and is limited by local circumstances, unless the ele-Most of our sheep breeders, have fallen into a common mistake, in following what is supposed to common mistake, in following what is supposed to have been the practice of Mr. Bakewell, whose The earths commonly found in soils cannot be acquainted with the power of the soil and the secret has never been divulged. By "breeding combined with more oxygen; none of them will course of crops? secret has never been divilged. By "breeding in, and in," they have made the frame and legs too short, the bone too fine, the constitution tender, and the fleece unusually light, in the vain attempt to regain the excellence of the original of the use of nitre, and of nitrous salts in vegeta. shown his sagacity, by crossing with Jeffrey's tion, seems to have been one of the principal tive conclusion as a great chemical authority: but and other slicep. He has gained size, and weight of fleece. Mr. Case, and Mr. Exton, of New Tallows. Nitrons salts are produced during the "earths commonly found in soils cannot be com-Jersey, are perhaps, among the most judicious breeders of the middle states—so far as I am enabled to judge, through the efforts which have been made by rival breeders, to obtain individuals states—to the enabled to judge, through the efforts which have been made by rival breeders, to obtain individuals at the conduction of the use of nitre and of nitrous salts in a transfer of the paragraph; I make the conduction of the use of nitre and of nitrous salts in a transfer of the use of nitre and of nitrous salts in a transfer of the use of nitre and of nitrous salts in a transfer of the use of nitre and of nitrous salts in a transfer of the use of nitre and of nitrous salts in a transfer of the use of nitre and of nitrous salts in a transfer of the use of nitre and of nitrous salts in a transfer of the use of nitre and of nitrous salts in a transfer of the use of nitre and of nitrous salts in a transfer of the use of nitre and of nitrous salts in a transfer of the use of nitre and of nitrous salts in a transfer of the use of nitre and of nitrous salts in a transfer of the use of nitre and of nitrous salts in a transfer of the use of nitre and of nitrous salts in a transfer of the use of nitre and of nitrous salts in a transfer of the use of nitre and of nitrous salts in a transfer of the use of nitre and of nitrous salts in a transfer of the use of nitre and of nitrous salts in a transfer of the use of nitre and of nitrous salts in a transfer of the use of nitrous salts in a transfer of the use of nitrous salts in a transfer of the use of nitrous salts in a transfer of the use of nitrous salts in a transfer of the use of nitrous salts in a transfer of the use of nitrous salts in a transfer of the use of nitrous salts in a transfer of the use of nitrous salts in a transfer of the use of nitrous salts in a transfer of the use of nitrous salts in a transfer of the use of nitrous salts in a transfer of the use of nitrous salts in a transfer of the use of nitrous salts in a transfer of the use of nitrous salts in a tran from their flocks, sprung from the best blood in atmosphere that the acid is formed; and at the vegetation" been subverted or discountenanced by troduced by Captain Beanes. I have a few sheep expense of an element which would otherwise the experiments of modern physiologists, many bred by them, which confirm my impressions, and I never recollect to have seen in America, pounds of which, as is evident from what is stated alone, which is more than the ancient opinion reany thing comparable to the animals upon Mr. under VIII. 2, are much more efficacious than the quires in its support. And as to the final inferany thing comparable to the animals upon Mr. Clement of the compounds in assisting vegetation."*

Case's farm, or those derived by Mr. Clement of introus compounds in assisting vegetation."*

directly from their blood. I purchased all the combination, (3dly.) "When weeds are buried in the soil, &c. the uncertainty disclosed in the word "prodirectly from their blood. I purchased all the sheep exhibited by Mr. Case at the late show, and from Mr. Wonderly his whole flock, bred tain quantity of soluble matter: but it may be from some of the best ewes, which Mr. Clement had possessed. One of the wethers of two years, which had been fed only upon hay and grass, from its birth, was killed in December, after store sheep, as it was my intention to keep him ter upon the oxygen of the air; and the greater another year. Mr. Wunder, the butcher who hart of it is lost to the soil in which it was formed, killed him, paid for 1083 pounds, the weight of and dissipated in the atmosphere. killed him, paid for 108½ pounds, the weight this quarters. He had great proof, an ample fleece, and bone of proper size. If any credit is to be ascribed, it belongs to Mr. Wonderly, who find matters contained in it; and heat increases the rapidity of fermentation: and in the summer fallow, nutriment is rapidly produced at a time fallow, nutriment is rapidly produced at a time

I am, with great respect, yours, &c.

JOHN HARE POWEL.

JONATHAN ROBERTS, Esq. President of the Penn. Agri. So.

0 "PREATISE ON SOILS AND MANURES BY A PRACTICAL AGRICULTURIST.'

(Continued from our last.)

V. By Fallowing .- Sir Humphry Davy seems to under-rate the utility of fallowing, and to be

The following is the substance of the observations occurring in different parts of his work on this subject. (1st.) "The chemical theory of new source of riches to the soil. It merely tends to produce an accumulation of decomposing matter, which in the common course of crops would be employed as it is formed; and it is scarcely possible to imagine a single instance in which a cultivated soil can lie fallow for an entire year with ad- fits of a summer fallow, when admitted to be nevantage to the farmer. The only cases where this practice is beneficial seems to be in the destruction of weeds, and for cleansing foul soils.*

"The benefits arising from fallows have been much overrated. A summer fallow, or a clean fallow, may be sometimes necessary in lands overgrown with weeds, particularly if they are sands, which cannot be pared and burnt with advantage: but it is certainly unprofitable as part of a general keep up the proportion of vegetable mould ne-

system of husbandry.";

by their gradual decomposition they furnish a cer- bably," deprives the argument of all decisive efdoubted, whether there is as much useful manure in the land at the end of a clean fallow, as at the as far perhaps as experiment will ever trace it, time the vegetable clothing the surface were first the manner in which nitrous salts are produced in hloughed in Carbonic acid gas is formed during having run, more than a fortnight, among my the whole time by the action of the vegetable mat- but guessed at by him, and not explained to us

when no vegetables are present capable of absorbing it."

(4thly.) "Land when it is not employed in preparing food for animals, should be applied to the preparation of manure for plants; and this is efcarbonic acid of the atmosphere. In a summer's how far this is to be estimated as a loss? fallow, a period is always lost in which vegetables may be raised, either as food for animals, or as Davy on this point, it is quite consistent with good nourishment for the next crop; and the texture logic to suppose, that whatever escapes from the of the soil is not so much improved by its expo-dissolving mass of a dead plant in the form of sure as in winter, when the expansive powers of disposed to recommend the non-fallowing system. ice, the gradual dissolution of snows, and the al-condensation, is easily and most naturally taken

fallowing is very simple. Fallowing affords no directed by Sir H. Davy against the practice of by communication with the air. fallowing, as part of a general system of husband-

But cannot some of the above objections to the giving of a periodical rest to land after an exhausting crop be obviated? and are not the bene-

cessary, in some respects undervalued?

In the first place, this eminent philosopher ob serves, that fallowing "merely tends to produce an accumulation of decomposing matter, which succulent plants a greater proportion of food is is in many cases the precise restorative wanted to from the air. cessary to fertility. Supposing the milder course

(2dly.) "It has been supposed by some writers, for crops to employ the decomposing matter as it

have been converted into ammonia; the com- of whom have found that plants will grow in nitre feet in a practical point of view; for although the Professor is acquainted with the operation of gases soils containing animal and vegetable remains, is with the authority of certain knowledge. Thirdly, this distinguished Chemist, after vir-

tually admitting; that the weeds which were over-"The action of the sun upon the surface of the running the land must enrich it by being buried soil tends to disengage the gaseous and the volatile in its bosom, further observes:—"But it may be doubted, whether there is as much useful manure in the land at the end of a clean fallow, as at the time the vegetables clothing the surface were first ploughed in." . . . &c. &c.

To this speculative objection the answer must necessarily take a speculative turn.

If there be less manure in the land at the close of a fallow, the quantity lost must have escaped fected by means of green crofts, in consequence of in the shape of vapour, and been dispersed in the the absorption of carbonaceous matter from the atmosphere. It may be worth while to inquire

In opposition to the theory of Sir Humphry vapour, and does not fall down to the earth by ternations from wet to dry, tend to pulverize it, up by a new growing plant from the atmosphere, and to mix its different parts together."‡ through the leaves; that is to say, whatever has The reader has now before him the arguments a tendency to fly off into the air is to be recovered

> On this subject the theory of the author of these remarks is as follows:-

To form the bulk of a growing plant,—certain substances comprehended under some of the descriptions of matter common to vegetables, and which appear on analysis to be combined differently in different species, are taken up by the roots from the soil, and by the leaves from the air, through the medium of congenial fluids; in in the common course of crops would be employ-received by the leaves than by the roots, so that ed as it is formed." But this accumulation of de-even the bulk of the plant, or the basis of the sap, composing matter is alone a great acquisition; it is in such kinds increased chiefly by derivations

To imbue a common insipid basis with those distinguishing poculi crities which make different species growing in the same soil differ in scent, * Elements of Agricultural Chemistry, p. 240. Rayour, and the qualities which are salutary or pernicious in food and medicine,-certain specific

^{*} Elements of Agricultural Chemistry, p. 22. + Ibid. 239.

[†] Ibid. ‡ Ibid.

essences, or volatile aeriform atoms, invisible either ing foul; that is to say, when it wants recruiting from being colourless or minutely divided, are taken up entirely by the leaves from the air; the character of the plant having been originally fixed by a portion of a peculiar essence being lodged cive to the object of exciting a fermentation in successive corn crops. Even en land of a better in the seed so as to attract to it only volatile par-fibrous woody remains as well as enriching the quality, the crops which succeed these are so ticles of its own nature.*

Hence in mixed masses of manure, the manure may be considered better adapted for general purposes, when the volatile properties peculiar to specific plants and to animal bodies have escaped, and when the residuum is nothing more than the matter common to vegetable and animal bodies.

It may seem to be a loss, that the gaseous essence, escaping into the atmosphere, is dispersed over an immeasurable region of air, and carried culture. by winds over the face of the earth, instead of being retained for the enrichment of a particular To this it may be answered, that the gases of which the air is constituted-oxygen, azote, and carbonic acid gas-though differing in their specific gravity or rather levity, are found to be cieties, concur;—the statements, for example, combined in any cubical quantity of air in a pro-that 'sands are benefited by a summer fallow portion which never materially varies; and it is more than clays; and that the 'land is not richer specific gravity or rather levity, are found to be quite reasonable to suppose, that the volatile salts or spirits, or aromatic principles, which constitute On the contrary, the conclusion to which the rethe essences of plants, are distributed equally over the atmosphere by the same law. The quantity of volatile essence floating within reach of the attraction of an individual plant must, in this is proved by the circumstance, that, in all deed, be allowed to be evanescent even to the confines of nothingness, when the transparency of the air is considered, and the multiplicity of different essences of which infinitely small divisions are supposed to be floating in it. But if, on the other hand, we advert to the elastic nature of the air, and the property which it is found to have of always preserving its natural equilibrium, the most scanty provisions of volatile food in the vicinity of a plant is abundance. Thus, suppose a plant to take up carbonic acid gas with great avidity; although the proportion of carbonic acid gas is extremely small, yet the plant cannot drink up the quantity in immediate contact so fast, but the incessantly pressing into the temporary void where the interchange of natural air is unrestricted .-The supply of a peculiar essence to plants, by the medium of the common air, may be rendered sufficiently ample by obedience to the same law.

It may therefore be one of the benefits of a fallow, to lose every thing which can escape by a free exposure of the putrefying remains which

promiscuously accumulate in a soil.

On the hypothesis which has just been sketched, the objection of Sir H. Davy, that "the action of the sun upon the surface of the soil tends to disengage the gaseous and the volatile fluid matty of fermentation,"-may be enlisted among the crop remain as nourishment for another. arguments in favour of a summer fallow. In cases absorbing it."

fallow :- There can be no difference of opinion formation, in some respects new, is increased .where the land is poor, or exhausted, without be-

with manure, but not cleaning of root-weeds to Turnips and Clover has been the means of renthe full depth of the soil. Plants which quickly dering productive those inferior soils which it was decompose, such as the lettuce, are most condu rand. This subject has been already touched un-much more abundant, that it is probable as many der Sect. IV.

merely to disembarrass the practical manager, whole. In this view alone, almost the whole value that so much has been said by way of theory of the turnips and clover may be said to be a clear against an hypothesis on non-fullowing, which is gain. Fullow has been banished from all dry soils made to depend on assumptions from chemical by turnips; and where land is laid down to pasprinciples too little capable of proof from experi-ture, one acre of clover and rye-grass will fatten ment to be safely adopted in this branch of agri-

Some of the incidental statements, in the above abstract from the Professor's Lectures, are decidedly adverse to practical maxims in which most farmers, and the majority of writers on husbandry, including the Reports from Agricultural Soat the end of such a fallow than it was before.'gistered courses of profitable husbandry lead, is very much like the following summary.

soils, a much less quantity of dung is necessary after a summer fullow: and on some lands none s wanted; nay, the experienced Cally is of opinion, that dunging naked fallows is in many cases better dispensed with, and has often, in tolerable

loams, made the crop to fail.

2. Clays are unfit for green crops, the substitute for a summer fallow; and hence are necessitated to adopt the latter, in rotation with white crops.* A winter fallow merely is, indeed, an excellent ried to the fold-yard, for the object of converting thing in light grounds, and as a preparation for the hallon into manure. spring wheat; but it will not do with clays, which the quantity in immediate contact so fast, but the same quantity will be constantly preserved in the air surrounding it; for gas of the same nature is only render the earth more hard and compact. A summer fallow is, therefore, more proper for this

> 3. Light soils only can dispense with fallows The question therefore is narrowed to this compass: Whether the benefit of a summer fallow, on a sandy or other light soil fit for green crops. is equal to the loss of a year's rent, or to the difference between the profit of a green crop and the rent for one year paid on a naked fallow?-The general conclusion is,-that it is not; and that a summer fallow for light soils is too costly.

By a rotation of crops, every ingredient in the manure applied is successively turned to profit; ter that it contains, and heat increases the rapidi- for those parts of it which are not fitted for one

Different soils require a different rotation, and where a restorative course is desirable, the object the practice of one district afford no absolute rule ploughing in green crops, as recommended in the ing; and if brought from a distant part of the 6th August last. Elements of Agricultural Chemistry, instead of a listand, the chance of a beneficial exchange of in-The following communications are gathered from voluminous work, entitled General Report of the Agriculture of Scotland, published under the in every part of the Globe, in May 1818, to induce superintendance of Sir John Sinclair.

Benefit of Green Crops .- " The introduction of Turnips and Clover has been the means of renimpossible to cultivate under the old system of bushels of corn now grow on the half of a given To return to the question of fallowing. It is extent of ground as were formerly raised on the more cattle than could bately exist on ten acres left full of weeds to be casually sown, after seve-

ral years, with natural grasses.
"When turnips were first introduced on farms, and for some time after, the most common application of them was to the fattening of cattle.-Sheep did not then form any important part of the stock of arable land: but on light soils the full benefit of this crop was not obtained, until it had become the practice to consume the greater part of the crop on the ground by sheep. The poorest sandy soils seldom fail to yield an abundant crop of corn after turnips thus consumed on the ground. They are thus at once manured and strengthened

in the stable.

"On dry loams, the best practice is a medium between the old and the new; and the crop is divided between the sheep and the fold-yard, by drawing off and leaving a few ridglets alternately.

"The vast addition made both to the quantity and the quality of the dunghill, by the consumption of green clover and turnips, powerfully recommends them; and turnips accordingly are cultivated for this very purpose, on soils but little adapted to their growth as an edible root. When grown on clayey soils, the whole crop is still cer the haulm into manure.

"So the best mode of consuming clover and rye grass is to pasture it, especially on thin dry soils; compared with which the mode of veserv-

ing the entire crop for hay is very unprofitable.
"On lands less fit for pasturing, deep loams and clays, soiling is resorted to. A considerable portion of the grass is cut green for horses and milch cows; and in some instances, both for rearing and fattening of cattle. This economical use of the grass in the homestead augments and enriches the dunghill."

(To be continued.) ----

HISTORY OF THE WHITE FLINT WHEAT, Albany, Schtember 28th, 1824.

TO THE EDITOR OF THE AMERICAN FARMER.

SIR, -As your invaluable "American Farmer" has become in some measure, a standard for agricultural information and reference, I will now redeem my pledge on the subject of the justly celetor also becomes an ally who urges, that "in the for another. Local circumstances will always in brated white flint wheat, by a concise review of its summer fallow nutriment is rapidly produced at fluence the course of crops; yet a survey of some history, however painful to be impelled by an act a time when no vegetables are present capable of the rotations, which after long trial are found of justice due to Ira Hopkins, Esq. of Cayuga Co. to be repeatedly benchcial on the principal sorts in this state, to vindicate the ground assumed by Fourthly, with regard to the superior utility of of land, tends to enlarge the resources of farm-him on that subject-vide your No. 20, vol. 6. of

> It will be seen in my history of the Berkshire Agricultural Society, published in a smad pam-phlet in 1819, at Nath. Maxwell's, that I had despatched circulars to all the American Consuls them to collect and transmit to me through the Collector's Office in New-York-seeds, animals * Letter by the President of the Workington &c. &c.-the ensuing March I received from the Custom House a cask, containing 16 varieties of Philosophical Magazine for Jan. 1815. No. 1. grain in separate bags, accompanied by the following letter:-

† In a given volume of air, their proportions are usually found to be: Oxygen 21-100; azote 79-100; carbonic acid gas 1-500 max. 1-800 min. ft. 12.

Agricultural Society, dated Nov. 20, 1814.

^{*} This theory will go a considerable way towards affording a solution why the blossoms and fruit of a graft should preserve their distinguishing peculi arities, unaltered by connexion with the stock.

Valencia, (Spain,) 24th Dec. 1818.

Sir-I send you by the Brig Paragon, Capt Austin, sixteen different kinds of grain, in separato bags, numbered as at foot; principally wheats, the produce of the province of Valencia. I shal embrace every opportunity to send you such ag ricultural products of this fine country, as may be useful to our own.

I shall shortly send you near one hundred varieties of wheat and barley, which I am promised by an eminent botanist, who is preparing a work for publication, on this important subject.

I am respectfully yours, &c.

O. RICH, American Consul.

Elkanah Watson, Esq. New York.

No. 1 Hard white Wheat. (a)

- 2 Hard red Wheat, (b) 3 Black bearded soft Wheat,
- 4 Black bearded hard Wheat,
- 5 Hard red Wheat,
- 6 Hard red Wheat, a different kind,
- Oats,
- 8 Moorish Wheat,
- 9 Soft white Wheat,
- 10 Close spiked Barley.
- 11 Common Barley,
- 12 Soft red Wheat,
- 13 Soft white Wheat,
- 14 Soft Wheat, very white,15 Soft white Wheat, a different kind,
- 16 Hard red Wheat, superior.

The following note was endorsed on the back of the letter :-

"The 16 bags of grain are now in the public store, and will be held subject to your order." D GELSTON, Collector.

I devoted several days in the Capitol at Albany, small parcels for general distribution; first to the Seneca and Cayuga Counties in this state, within members of the Legislature, then sitting in the a few years. same building, who witnessed my zeal and labours; and the residue in all directions. It was not till the month of November, 1823, I was first informed by Mr. Hyde, a very respectable and candid gentleman of Aubern, then sick in Albany, that part of the white flint wheat I had imported from Spain three years previous, was then in successful cultivation in Scipio, Cayuga County—and that they had floured about 30 bushels at his mills. -He spoke in the most exalted terms of the invaluable properties of this new wheat-and the super-excellence of the flour it produced. On the 23d March last, Joseph L. Richardson, Esq. also of Aubern, (who appears in your No. 20) the genuine white flint and the swamp wheat. The latter is of an excellent quality, yields well, great repute, is cultivated by a few hersons in this County, the first I heard of it was last year; produces nearly as much as the white flint. I have been unable to ascertain its origin: it is said Hashington in 1790, but I have been lately inblessing."

months—behold him in your columns, it would seem, possessed with a full knowledge on the subject—stating, that "the white flint wheat was first introduced into Scipio by Henry Sebott, an obscure German from Potsgrove, Pennsylvania, in where the same finds a fair white berry, possessing in an has not yet been found, attributed in the same time, made great ravages on other kinds growing in the same time, made great ravages on other kinds growing in the same time, made great ravages on other kinds growing in the same time, made great ravages on other kinds growing in the same time, made great ravages on other kinds growing in the same time, made great ravages on other kinds growing in the same time, made great ravages on other kinds growing in the same fields.

John Daniels, Benj. Loveland, Whedon Clark, Benj. Olney, Who we will be a first of the same time, made great ravages on other kinds growing in the same fields.

John Daniels, Benj. Olney, Who we will be a first of the same time, made great ravages on other kinds growing in the same fields. 1812"—whereas your Albany correspondent says

*Mr. Richardson says, "It would give me great

-"it was brought from the Jerseys in 1815." In delight to be in any manner useful to my native his second letter of the 29th June, as published state, Maryland.—Edit. Am. Farmer. in your work—he, says, in direct contradiction to † This reply was never seen by the Editor of the his statement to me as above, "It is now cultiva- American Farmer.

ted largely in this and the neighbouring Counties," ground. 2. Proof absolute against all attacks of —that he was then cultivating in course from the the fly: 3. Weighs from 62 to 64 lbs. a bushel his Maryland friends.*

difference to the Sheriff of the County in July last, cast. in the same field between that and the common wheat, he failed in the attempt:"—thus far Mr. thus,—that it was called the swamp wheat, and most successfully to the groundless attacks of Mr. Mynderse, of Seneca Falls, had ascertained that it Richardson in your columns, and put the subject consusted from No. 2 of the above list of Mr. at rest in the public view; among other points no Rich.—Says "its colour is that of the bearded stated that his letter to you was in direct terms at thorn wheat (reddish) weighs from 60 to 64 lbs. a variance with his previous admissions to him and bushel—the berry rather smaller than the white the public. But as a re publication of that retort flint or red chaff wheat-resists the frosts better contreous would only tend to protract an unnecestan common wheat—proof against the attacks of sary and wanton controversy on the part of R—n, the fly—grows thick on the ground, but low—co-I shall withhold its transmission, especially as I do lour of the straw lighter and softer than common not consider it material to the public, by whom wheat—falls sooner by its thrifty growth—head and in what manner the precious boon has been short-well filled-light chaff-crop sowed 17th bestowed upon our common country. But it is all Sept. 1822, reaped 17th July. I sincerely hope important they should possess such correct in gentlemen farmers or planters will cultivate the formation on the subject as to enable gentlemen several varieties with scrupulous care-not to farmers to discriminate the genuine white flint hazard deterioration, or the admixture of either wheat from all others, inasmuch as it is admitted species—so as to enable them eventually to select on all hands, to possess several essential proper-the one for general cultivation; experience may ties vastly superior to any other wheat within our indicate as the most valuable. knowledge. I have in consequence taken unwearied pains for the last two or three weeks by of the existence of a wheat of such intrinsic worth corresponding with distinguished agriculturists, in the same vicinity for 9 years, and yet be conand from other researches, to possess myself of cealed from the immediate neighbours till within such information, as I think will be useful to the 2 or 3 years; much less, the possibility of its begreat Interest of Agriculture.

From these respectable resources it appearsthat three distinct varieties of wheat, all possess- yet to be unknown till recently—the assumption with two or three hands in folding the whole into ing valuable properties, have been introduced into is truly preposterous.

First.—The white flint wheat, No. 1 (a)—referred to by Mr. Hopkins, and the fifteen distinguished farmers of Scipio, and sanctioned by De Witt Clinton in the printed certificate transmitted to you.

Second,-The hard red flint cultivated by Jonas Seeby, Esq. of Seneca County, and others emanating from No. 2 (b) heretofore noticed in

vonr work.

Third,—The swamp wheat, so called—said to be discovered by accident in Oneida County, some years ago.

It will be easy to discriminate hereafter between produces nearly as much as the white flint.

It has a long white beard—the white flint has it was first introduced from Sicily, by General none; it resists the fly partially—the white is absolutely invulnerable to their attacks-the straw formed we are indebted to your exertions for the of the white being nearly solid for 5 or 6 inches from the root—the swamp is larger and more In a second letter of the 1st April, he adds, open in the channel.—I transmit you samples of I have an unconquerable aversion to have my each to enable you to compare them. You will name appear in public"—as I had requested him perceive a marked difference—the berry of the to give notoriety to such facts as he could estab-swamp being tinged with a shade of red, is larger lish on a subject so interesting to the community. than the white, which is a white chaff bald other kinds of wheat, in which the fly or insect.

But strange to tell, in the short space of two wheat, with a fair white berry, possessing in an has not yet been found, although they have, at

Sebott wheat, 25 acres of what he called "white makes whiter and better flour than any other: 5. flint wheat" with which he was desirous to oblige Resists frosts better and ripens 14 days earlier. It is said to differ from common wheat, by retain-My correspondent [who?] says, "Mr. R-n's ing its native colour, cultivated on any soil, wherewheat has all the characteristics of common as the common white winter wheat, if sowed on best, inasmuch as in attempting to show the any soil but oak-land, will change to a yellowish

The red flint white No. 2, Mr. Seeby describes R-n and his Schott wheat. I will only add, that reported to have been brought from Oneida Coun-Mr. Hopkins replied in the Cayuga Republican ty some years ago—whereas the respectable Col.

Every candid mind will admit the impossibility ing cultivated, agreeably to Mr.R. in Pennsylvania, Jerseys and other places for 47 years, and

But what is more conclusive and fatal to Mr. Richardson's assertions :- the white wheat is now eagerly procured from Seneca and Cayuga Counties, from the very Counties where it existed, according to that gentleman, nearly half a century ago.—With these remarks I shall rest the subject forever, with a sincere regret that I have been compelled to appear once more before the public in self defence, for I find myself assailed in the evening of life, in a spirit of persecution, however disinterested my unremitted efforts for a third of a century, to promote the welfare of my fellow men, to the utmost stretch of my limited powers.

ELKANAH WATSON.

This may certify, That we the subscribers, of the town of Scipio, in the county of Cayuga and -makes excellent flour, and on hard clay land state of New-York, have raised the white flint wheat, with great success, for the last two or three years, and have seen it growing by the side of different kinds of Wheat; and it has, with few exceptions, exceeded any others one third, and frequently one half in the same field. It is a white chaff bald wheat, with a fair white berry, stands the winter remarkably well, and spreads and thickens up in the months of April and May more than any other kind of wheat which we have ever seen. It has a small straw, thicker than

> Wm. Daniels, James 11 ood, Nuthan Ramsey, John C. Prall, Jared Beardsley, David Finch

Elius Manchester. Charles Sales. Eben Wittine, Timothy Fincht, Joshua Baley, IIm. Bennett.

be practical farmers, and men of truth and veracity JONATHAN RICHMOND.

Lavana, June 24th, 1824.

I am acquainted with J. Richmond, the signer of the above ecrificate, who is a gentleman of the most respectable character, and any representation of his is entitled to entire confidence

DE WITT CLINTON.

Albany, 3d July, 1824.

[We are glad to know that the qualities of this wheat will be fairly tested the ensuing year by a Virginia .- R. Sinclair procured of Ira Hopkins, the stomach and bowels; and we observe gene

The Editor of the American Farmer will thank any gentleman who will send him a single stalk of wheat, solid in whole or in part.]

DISEASES OF DOMESTIC ANIMALS AND THEIR CURE.

rable degree.

posed to cause a separation of the more essential cattle-doctoring! eat is swallowed unchewed; or there may be a the process of nutrition.

state it passes off in invisible vapour; in the form- done, a free and extensive incision should be made.

er, so as to be visible, as sweat.

· Perspiration is a highly important discharge in horses and other quadrupeds; in some animals tained; all these should be freely opened also, and however, as the dog, there is no visible perspiration; but in such animals the vapour thrown off formidable appearance, it may always be stopped from the lungs is proportionally abundant. In the by pressure. When the bleeding has ceased, human body perspiration is easily promoted by some caustic composition should be applied to all medicine, but in the horse and other domestic the diseased parts; such as butter of antimony, animals this is not the case; indeed we are not solution of sublimate in muriatic acid, or of quickacquainted with any medicine which will excite silver in nitrous acid, or the scalding mixture, sweating in the horse, except it be such substances which, if neatly applied, so as not to injure sound number of judicious farmers in Maryland and as will produce violent irritation or inflammation of parts, is perhaps as effectual as any. perhaps in a great measure upon the suddenness prevalence of an easterly wind; in this case the as Friar's balsam, digestive ointment, &c. Autrition.—The living body is continually los-ing its constituent parts, which a variety of causthe diseases which result from it are slower in es are incessantly carrying off, and when the sto-their progress, consequently more insidious in mach, and other parts concerned in the process their nature; and it often happens, that the anicare, therefore, must be taken to gather and dry of nutrition are in a healthy state, and there is a mal is left in the same cold situation until the due supply of food, a constant renovation is at disease is incurable. It seems probable that in lence of your future crop depends; and if you the same time going on. Nutrition is a complication these cases the perspirable vessels gradually lose have more than you want for your own use, the ted process, and may be interrupted by various their power, and that at length a total and persecution will either buy them of you, or exchange oircumstances. Supposing the food to be sufficient manent suppression of that necessary discharge them for others. A good cultivator will very rarein quantity, and of a proper quality, it is necessa- takes place: hence arise consumptions, decayed ly be under the necessity of laying out money for ry that it should be masticated and moistened with liver, rot, mesenteric obstructions, and various seeds, but will usually have enough to make them saliva, and then by means of the tongue, with the other complaints. How necessary therefore is it a source of profit, besides supplying his own wants. muscles of the pharynx and gullet, it is conveyed for proprietors of cattle to be provided with shelt to the stomach; here the masticated food mixes tered situations for their stock! how many diseast with certain juices, by which it is further altered and converted into a pulpy mass, termed Chyme. As soon as it passes from the stomach, it mixes the lives of their cattle, but in avoiding the eximple with bile and pancreatic juice, which are supposed to cause a separation of the more essential cattle education!

parts of the digested mass, which is named Chyle. Poll Evil.—An obstinate disease, which often on the seeds are gathered it should always. On the inner surface of the small intestines there happens to horses. It generally proceeds from a be done in dry weather; and they should be hung are innumerable small orifices, which are the blow received upon the poll or back part of the up in bags in a dry room, so as to preserve them mouths of the lacteal vessels, by these the chyle head. Sometimes the injury thus inflicted is su-from the air." mouths of the lacteal vessels, by these the chyle head. Sometimes the injury thus inflicted is suis sucked up and conveyed to the thoracic duct, a perficial, and easily cured by fermentation, &c; vessel that lies upon the vertebre of the back more frequently however, the vascular membrane, mestic Encyclopædia,) depends principally on the By the thoracic duct, it is carried to a large vein between the under surface of the great suspenso-near the heart, where it mixes with the blood, ry ligament of the neck and the first vertebra, is roots, from the most vigorous vegetables, growing From this sketch it may be seen how many circum the part principally hurt: in consequence it be-under our own inspection; for though it be constances may happen to impede or oppose nutrition. comes inflamed, and suppuration takes place, jectured, that the constant cultivation of a par-Thus in old horses the grinding teeth sometimes. The matter, having no vent, spreads in various ticular plant from the same seed, and in the same wear so unequally, that mastication is performed directions or where there is the least resistance: soil, will at length cause it to degenerate, yet nuwith difficulty, and great part of the grain they and both the bone and ligament are affected before any external swelling can be observed. Thus which the coutrary effects have been evident.deficiency of saliva; in either case the food will an obstinate disease is established before its exis- The more healthy stalks or stems should be sepass into the stomach in an unprepared state. I tence is suspected, as the only indication of it is lected for bearing seeds; and such as attain mahave seen a case where the muscles of the pha- a stiffness in the motions of the head. Several turity at the earliest period in the season, ought rynx had become paralytic, so that the horse was months have elapsed in some instances before any incapable of swallowing. In vol. 1. of the Veterinary Medicine, this subject has been particularly noticed, and the most effectual means pointed out ed; such as stimulating or blistering liniments, of removing any impediments that may exist to &c. which cannot of course be effectual in accom-the process of nutrition.

or succession of produced.

plishing the object for which they are used: they

"The proper time for gathering seeds, is the plishing the object for which they are used: they

This may certify, That I am acquainted with creted by the arteries of the skin. It is distin-ter to the surface, and bring the swelling to a most of the above subscribers, and know them to guished into sensible and insensible; in the latter proper state to be opened. When this has been so that the finger may be introduced, and the length and direction of the sinuses or pipes ascerthough the bleeding which ensues may have a

Two or three days after, the dead parts should be through the kind agency of Mr. Buel, of Albany, rally, that, when these parts are inflamed, profuse washed on, and if any thore shides are through the kind agency of Mr. Buel, of Albany, rally, that, when these parts are inflamed, profuse washed on, and if any thore shides are through the kind agency of Mr. Buel, of Albany, rally, that, when these parts are inflamed, profuse washed on, and if any thore shides are through the profuse washed on, and if any thore shides are through the profuse washed on, and if any thore shides are through the parts are inflamed, profuse washed on, and if any thore shides are through the parts are inflamed, profuse washed on, and if any thore shides are through the parts are inflamed, profuse washed on, and if any thore shides are through the parts are inflamed, profuse washed on, and if any thore shides are through the parts are inflamed, profuse washed on, and if any thore shides are through the parts are inflamed, profuse washed on, and if any thore shides are through the parts are thr rally, that, when these parts are inflamed, profuse washed off, and if any more sinuses are discovercaused by suppressed or checked perspiration; ing has been made, we can often feel, by introthe various appearances they assume depending ducing the finger, the diseased surface of the bone; a narrow blunt-pointed knife should then with which the discharge is stopped, and the state be introduced, or any convenient instrument, by of the animal at the time it takes place. Thus if which the rotten surface of the bone may be a horse, after being heated and made to sweat by scraped off, as well as any part of the ligament exercise, and thee suffered to stand still, be expo-which may be found in the same state. The cure sed to a cold wind or rain, a fever, or inflammation will be expedited also by cutting away any cal-Nitre .- Nitrate of Potash or Salthetre. A of some internal organ, will probably be the con- lous matter that may be found within the lips of medicine much used in veterinary medicine as a sequence; and the disease thus produced will be the external opening. In some instances it has diuretic and febrifuge. The dose from half an still more serious, if the horse's exercise have taken several months to effect a cure of poll-evil; ounce to an ounce or twelve drams, twice or three been such as to produce considerable fatigue. If and I have found, from much experience, that times a day; Gibson and Bartlet prescribe it in on the other hand, a cold current of air be admit-cutting freely and caustic dressings are the most doses of two ounces three times a day. I have ted to a horse's body as he stands in a stable, it effectual and expeditious remedies. When the seen it given to the extent of four ounces at one will often cause a catarrh or cold. Cattle often wound has been brought to a healing state, disdose; but it evidently quickened the pulse and suffer from being kept in cold bleak situations, charging but little matter, and giving less pain to breathing, and distressed the animal in a conside-particularly in the early part of spring during the the animal, mild dressings are most proper; such

SEEDS of various sorts are daily ripening;

these parts will corrupt the seed.
"When the seeds are gathered it should always

"The selection of seeds (according to the domerous well attested instances have occurred, in

Perspiration .- The fluid or vapour which is se- may however promote the progress of the mat- period of their perfect maturity; which may be

because when the latter begins to decay it becomes 'bleached by the oxygen of the atmos-

conveyed to the ripe seed.

"Various expedients have been devised for the preservation of seeds; the most simple consist in excluding them from the light and heat in the bowels of the earth; where they will retain their vegetative powers for several years. Thus Dr Darwin mentions instances of mustard seed producing a crop on digging up soil where it had re mained in a state of rest for many years, and 'as was believed even for ages.' In the same manner the best cucumbers and melons are raised from seeds which are at least three or four years old; though some gardeners do not employ them till they have been kept ten or twelve years.

"It appears to be an opinion, settled among the best practical and scientific cultivators, that very little advantage in common cases, is derived from changing seeds and roots on his own premises .-This is the least troublesome, least expensive, per annum, the number of persons employed is most independent, and most profitable mode of 161,111. The number of spindles employed,

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question but they will be generally adopted when | nually added to the population of this town. ever a new line of conveyance has become necessary, either from increasing trade, or from the exorbitant demands of canal proprietors.

By the loco-motive engine fifty tons of goods

nay be conveyed by a ten horse power engine, on a level road, at the rate of six miles an hour, and lighter weights at a proportioned increase of speed. Carriages for the conveyance of passen gers, at the rate of twelve or fourteen miles per hour. For canals it is necessary to have a dead level, but not so for rail-roads; an engine will is rapid, and cannot be counteracted by cuttings or embankments, recourse must be had to permanent engines and inclined planes, just as recourse is had to locks for canals; but here again the rail-road system has a great advantage; the inclined plane causes no delay, while locking creates a great deal.

Two acts of Parliament have already been obtained, namely, the Stockton and Darlington Act, and the Moreton Act. On these lines, which exceed thirty miles each, it is intended to adopt the loco-motive engine, and they will both

projected.

The discovery of the loco-motive engine it is said will be almost as important to the trade and commerce of this country, as the discovery of the steam engine itself .- Albion.

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easily ascertained by the dryness of the stem; Manchester, and which, after careful inquiry, we frail-way in less than thirty hours from London to convey more accurate information on that great and baggage which at present require three hunphere,' and no further nourishment can then be branch of business than had been generally known, dred horses, and reach their place of destination we have been induced to make further inquiries, the result of which we will occasionally communicate to our readers, in the hope that such computations will not be uninteresting to those who exercise their reasoning powers upon commercial questions.

> The quantity of cotton converted into yarn in Great Britain and Ireland, 160,000,000 in one year, is about. . The loss in spinning may be estimated 15,000,000 at 1 1-2 oz. per lb.. . .

> Quantity of yarn produced . Amount supposed 18d. to be the aver-£10,875,000 age price per lb. . .

According to Mr Kennedy's calculation, that every person employed in spinning produces 900 lbs. management, as regards that very important supposing each to produce 15th, weight per anbranch of rural economy." RAIL ROADS & LOCO-MOTIVE ENGINES. Manchester, including Salford, Chorlton-row &c. Hitherto, rail-roads have been used for very li- which form part of the same town, will be inmited purposes, and whenever they are spoken creased at least 15,000 this year by new buildof it is in connexion with coal-pits and stone ings. The increase is principally in cottage pro-quarries, but they are now about to be applied perty, under 12t. a year reot; so that the avertor the purpose of conveying merchandise over age rent, notwithstanding the very large factories year extended lines of country; and thus they which are included, is not higher than the average are becoming an object of great national interest, rent of houses in Edinburgh where there are no Rail-roads, as hitherto worked by horses, possess factories, nor warehouses unconnected with dwelvery little, if any advantage over canals; but ling houses, to swell the average. This fact rail-roads, worked by the loco-motive steam-en-shows that in that city the annual accession to its gine, have so decided a superiority, both as re-population is of persons able to pay a much highgards time and expense, that there can be no er rent than can be afforded by those who are an-

Manchester Gazette.

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FROM THE NEW-ENGLAND FARMER.

STEAM CARRIAGES.

It is proposed in England to substitute iron railways for roads, and employ steam engines instead of the great number of teams of horses and oxen, now used to transport travellers and merchandise. work goods over an elevation of one-eighth of an The distance from London to the principal cities inch to the yard.—Where the ascent or descent of England will be reduced one-quarter or even of England will be reduced one-quarter or even one-third by the construction of rail ways, in a right line and the numerous windings in the roads will be avoided. The post from London, by this known at that period; and the coquettes of the new arrangement will reach Manchester, Liver-time, like those of the present day, replaced the pool and Lecds in twelve hours, and only twentypool and Leeds in twelve hours, and only twenty-teeth they lost with false ones, which were fas-four hours will be required to arrive in Glasgow tened with gold. To heal or prevent chaps in and Edinburgh.

It will cost about 20,000 dollars per mile to construct a double rail way proper for carriages both to go and return. The expense of a rail-way of four rows, is estimated at 58,000 dollars. The disbe very soon ready for conveyance of goods. tance between London and New-Castle in a right. There are also three or four other rail-roads line is about 200 miles. The establishment of this kind of communication will cost therefore lady 11,500,000 dollars. The consumption of New-Castle coal is a little more than 2,000,000 chald nual revenue of 2,000,000 dollars, and will re-imin the manufacturing district which surrounds one steam engine will be able to propel along the reflect the person from head to foot.

stated to be 30,000, having been acknowledged to Edinburgh, three carriages laden with passengers only in fifty hours.

> Little feasible as the execution of this project appears, adds the French writer, "we dare say capitalists will be found in England venturous enough to furnish the funds, and engineers skilful enough to overcome the obstacles which seem to render it impracticable."

The Toilet of a Roman Lady .- A woman of quality, on leaving her bed which she usually did 145,000,000 about 10 or 11 o'clock, repaired to her bath. After remaining there for some time, where she was carefully rubbed with a pumice-stone, she came forth to pass into the hands of the cosmetes. These cosmetes were slaves, who possessed many secrets for preserving the skin and complexion, and who derived this name from the Greek word Kosmos, which signifies beauty.

The moment she left the bath, a sort of cataplasm, invented by the Empress Poppea, was apbuildings and machinery cannot be less than plied to her face, which she took off only when 10,000,000%. We calculate that the rental of she went abroad, or on the arrival of a stranger; so that the poor husband could never see his wife without her features being covered with this mask, which she often replaced in the evening to preserve her face throughout the night from the contact of the air.

> As scon as she began her toilette, a slave removed it, and bathed her face with a spung steeped in asses' milk, whilst another endeavoured to give to the skin all possible freshuess by rubbing it, according to Pliny, with the ashes of snails, or of large ants, burnt and bruised in salt, with honey in which the bees had been smothered, with the fat of a pullet mixed with onions, and lastly, with the fat of a swan, to which they attributed the pro-perty of removing wrinkles. Her next care was to efface any red spots with a piece of woolen cloth, steeped in oil of roses, and to remove freckles with a scraping of sheep-skin, mixed with the honey of Corsica, to which was sometimes added the powder of frankingense.

> This operation finished, a third slave approached, provided with a pair of pincers, with which she mercilessly plucked even the minutest hairs from the face of her mistress.

This duty of toilette over, that of the teeth commenced. When fresh water was found insufficient to cleans; them, they were rubbed with grated pumice-stone, or marble dust, a method still employed. The use of tooth-brushes was the lips, they rubbed them with the in ide of a sheep skin, covered with a gall-nut cintment-or, what was better still, with the ashes of a burnt mouse, mixed with fennel root.

The teeth being cleaned, a third class of slaves appeared to colour the eye-lashes, eye-brows, and hair, according to the age or taste of the

This last part of the operations of the toilette ended, a slave spread a red pomade on the lips rons a year, which, if the freight is a dollar each of her mistress to heighten their freshness and will yield the proprietors of the rail-way an an-bloom, whilst another presented a round mirror, ornamented with precious stones, and held by a burse their capital in less than six years. But the handle of mother of pearl; which mirror, from POWER LOOMS.

profits of the establishment from other articles of transportation will be immense. To appreciate of several metals, to which was given an exquitive amount, it is only necessary to remark that

Editorial Correspondence.

Extract of a letter dated Nelson County, Va Sept. 24th, 1824.

"The long continued rains have done much injury to our tobacco crops in this part of the country, by causing the plant to suffer what planters term firing. The richest lands have suffered most, particularly where they are strong. It seems to be a disease arising from an excessive quantity of circulating fluid in the plant, as after much rain, or a sudden check given to the circu lation, causing a rupture of the vessels, as when the weather turns suddenly cool. Our corn crop will be sufficiently abundant. The wheat has good quality.

PUBLISHED IN THE AMERICAN FARMER, BY OR DER OF THE STATE.

A report of the tobacco inspected at and deli vered from Nottingham Inspection Warehouse, during the quarter commencing on the 6th day of July, 1824, and ending on the 4th day of October, 1824.

	Domestic growth.	Growth not of this state.	Re-in- spected.	Total.
Number iu- spected.	304			304
Number de- livered.	241			241

THOMAS BADEN Inspector.

TRASURY OFFICE, ANNAPOLIS, Oct. 5th, 1824. True Copy, from the original report on file in this office.

B. HARWOOD, Tr. W. S. Md.

LEEL FARMER.

BALTIMORE, FRIDAY, OCTOBER 15, 1824.

THE NATION'S GUEST.

details of General La Favette's movements in but the knife or the palate could detect the delu his progress to the great meeting at York, in Vir-sion; altogether it was really the most delicate ginia. These movements have been minutely, and beautiful exhibition of this elegant art that and we may add, faithfully detailed in all the daily has ever been seen in this country—worthy, in a journals; still we shall be excused for giving a gen-

He arrived on Thursday agreeably to appoint-ment, and was presented at Fort McHenry to Go. vernor STEVENS, who, in behalf of the people of propriate terms-whereupon he was introduced to the Society of Cincinnati, assembled within the source, probably not so good. Fort under that identical tent in which he had so often shared the fringal meal and aided the counsels of Washington. The "tent scene" was glass (if in summer one ounce and a quarter,) impressive beyond description. This meeting of the rind of half a lemon heeled very thin, a little this venerable remnant of patriot warriors, under such associations was perhaps the firest moral ounces of lumh sugar; blanch and hound eight rally spring from the contemplation of this distinguishing feature in the tout ensemble of his reception in Baltimore, and go on, as briefly as possible to state, that after taking some refreshment with sices of orange.

The property of the pleasure you have another their high sense of the pleasure you have another your finger round the mould; full out the blane and their high sense of the pleasure you have another with sites of their high sense of the pleasure you have another with sites of their high sense of the pleasure you have another with sites of their high sense of the pleasure you have another with sites of their high sense of the pleasure you have another with sites of their high sense of the pleasure you have another with sites of their high sense of the pleasure you have another with sites of their high sense of the pleasure you have another with sites of their high sense of the pleasure you have another with sites of their high sense of the pleasure you have another with sites of their high sense of the pleasure you have another with sites of their high sense of the pleasure you have another with sites of their high sense of the pleasure you have another with sites of their high sense of the pleasure you have another with sites of their high sense of the pleasure you have another with the following their high sense of the pleasure you have another with sites of their high sense of the pleasure you have another with the blane. under triumphal arches and the cheerings of off uted for the Almondo.

100,000 citizens, to the Exchange, where he was received by the city authorities, and in their name welcomed by Mr. Johnson, the Mayor, with tude. a sensibility honourable to his heart, and with sentiments worthy of those for whom he acted.

On that day he dined at the elegant apartments prepared for him at Mr. Barney's Inn, in company with his old revolutionary compatriots and a goodly number of the corporation. On the next day he was feasted by the Mayor and Aldermen, old and new, at a more full and regular "corporation ican, in services a revolutionary soldier, hy birth dinner;" and on Saturday he partook of an elegant dinner given by the Cincinnati Society. It MIN FRANKLIN, greater than Solomon, since he was designed to make this the most splendid and possessed all his knowledge, without his faults." tasty repast ever served up in this city, and that And since Gen. La Fayette is gone and this is the was soon found to be impossible without the asyielded badly in proportion to the straw, but is of sistance and direction of the Ladies. And for what enjoyments, worthy of being esteemed such, privilege of recording, that on the preceding even-are we not dependent on them? Did not Jaffier ing at the hall supper, he was presented to the pabut express the common feeling of all refined hearts triotic recollections of the company by one Amerwhen he exclaimed-

> Oh woman! lovely woman! nature made thee To temper man. We had been brutes without you! To temper man. We had been brutes withou Angels are painted fair, to look like you; There's in you all that we believe of heaven; Amazing brightness, purity, and truth, Eternal joy, and everlasting love.

A committee of ladies of the very highest respectability was appointed to superintend the pre-scription. It was for the active managers, a reparation and display of this sumptuous dinner to sponsible and most critical undertaking; one which the Nation's Guest; and we understand it to have might even by trifling omissions have caused over excelled even the anticipations created by their acknowledged taste. The preparation of fided to the superintendance of the Misses S. and spectacle, and the regularity with which every E. Merryman, whose superior taste gave promise of all that art could do; and having solicited an optimize the city, in the eyes of all who came from abroad; blanemange was by common consent, specially con portunity of seeing this particular portion of the repast, as an object of curiosity in the highest branch of the culinary art, we can safely assure our fair low-citizens. readers, of whom it is our boast to have many, that we never saw, neither had we conceived any thing in this way so exquisitely delicate and beautiful. Of this particular article there were four representing to the very life in form, size, and colour, oranges, pears, bunches of grapes, peaches, asparagus, indian corn, and a variety of other fruits and vegetables; besides fishes of gold and We are sure it is not expected of us to give the silver hue, so perfectly represented, that nothing has ever been seen in this country—worthy, in a cultural Society, when the proceedings occurred word and in its way, of the occasion. * A soldier which appear in this number of our journal. eral outline of his reception within our own State. and patriot of less gallantry than Gen. La Fayette

* We should be glad to have, and may hereafter Maryland, welcomed him in very feeling and up get, the Recipe by which this blancmange was made; in the mean time we give one from another

BLANCMANGE -Boil a few minutes a pint and Spectacle that ever was witnessed. What was or ten bitter, and half an ounce of sweet almonds the consequence of the measures resolved upon in very fine, with a spoonful of rose water, and mix the councils held under that sacred canopy? Noth-them with the mil., strain it through a lawn sieve ing less than the rececon and happiness of millions or napkin into a basin, with half a fint of good upon millions for ages and ages to come! But we cream, let it stand half an hour, hour it into another must at once check the feelings that would natubasin, leaving the sediment at the bottom, and when interest of the State. The Maryland Agricultu-

sweet offering prepared and deposited by the hands of female patriotism on the shrine of grati-

In regard to this festival on which so many Associations conferred peculiar interest, we are glad to see, in the newspaper account of it, that at least here, in a volunteer, if not in a regular toast, the immortal Franklin, amongst the eurliest and fastost and best friends of La Fayette, was not forgotten. The venerable W. PATTERSON. in heart an Ameronly recall we have seen of the memory of that patriot who glorified his country, we claim the ican citizen, in a volunteer to the memory of "BENJAMIN FRANKLIN, by trade a printer, by self-instruction a philosopher, statesman, and moralist." On all patriotic occasions his name should be on our lips, for be it remembered, that "in the fullness of the heart the mouth speaketh."

The Ball given on Friday night transcended the anticipations of all, as it does all power of degreat dissatisfaction. It was executed throughout in a manner to give universal pleasure and aston-ishment full of delight at the splendour of the and we do not hesitate, therefore, to say, that they eminently deserve the thanks of their fel-

On Monday the General attended divine service at the Cathedral, the most splendid house of worship in this country. Visited after, at Belvidere, the hero of Eutaw and Cowpens, and passed and twenty dishes, one for each state in the Union, the evening with General SMITH in company with a large party composed of the general's particular friends.

On Monday he, at the instance of Major General Harper, reviewed his Division, and departed about four, P. M. for Rossburgh, a commodious Inn, about nine miles this side of Washington.

During his stay the General was welcomed by a deputation of Members of the Maryland Agri-

Proceedings of a Special Meeting of Members of the Maryland Agricultural Society.

At a special meeting of members of the Maryland Agricultural Society, on the 7th inst. it was Resolved, That R. Smith, Esq. President of the Society, C. Ridgely, of Hampton, Samuel Owings, Nichelas Bosley, David Williamson, jr., James Gittings, Jacob Hollingsworth, B. W. Hall, James Carroll, jr., Christopher Carnan, James Cox, Jas. Howard, and J. S Skinner, be a committee to present to Gen. La FATETTE an expression of the affectionate regar Isof the Society. The next morning at 11 o'clock, Mr. R. SMITH, as Chairman of the committee, addressed the General as fol-Hows:-

lustrious career, civil and military, has furnished abundant proofs, that your sole object, in thus aiding us, was the advancement of the legitimate rights of man, and that, at the time, you contem-plated no applause but that which is bestowed by after ages on useful and virtuous actions.

It is a source of no small gratification to our So-sidered members thereof, that they will insert ciety to learn, that you have yourself become a the above in their respective journals, and allow lors, &c. to the cultivation of the soil as much of your time and attention, as your multifarious avocations will permit. Be this, however, as it may, it would afford us great pleasure, could you, consistently with existing engagements, favour us with your company at the next publick exhibition of our Society which is to take place in the course of next month. You would thus be enabled to form an estimate of the accelerated march of our agricultural improvements under the auspices of political institutions which you have so much contributed to establish. But, General, whether we themen had their pockets picked here, and it is cide upon articles not enumerated in the above can or cannot have the honour of your company, known that a gang of these light-fingered gentry list should any such be presented. we entreat you to accept our cordial thanks for have gone South. No man should take with him These Committees shall examin past services and our best wishes for the preservation of your exemplary life in health and in dispensable, and that should be well secured. Istating which are in their opinion entitled to Prehappiness.

The reply of the General, from the sensibility evinced was truly impressive. He most feelingly assured the committee that he was under inexpressible obligations for this demonstration of kindness from the cultivators of the soil, and that he had, on this occasion, the more pleasure, as he had the honor of being himself a practical agriculturist-an honor of which he was particularly proud. Feeling, as he did, a deep interest in whatever may contribute to improvements in agriculture, he will have great satisfaction in attending best white, \$1 10—Corn, white, 36 cts.—Yellow, the next meeting of the Society. And of this pleasure nothing shall deprive him but the occurrence of circumstances not within his control.

General LA FAYETTE, his son GEORGE WASH-INGTON LA FAYETTE, and his Secretary Auguste LE VASSEUR, were unanimously elected Honorary Members of the Maryland Agricultural Society, and their Diplomas were delivered to them by the President; on the acceptance of which they expressed particular satisfaction.

IF POSTPONEMENT OF THE MARYLAND CATTLE Show-for the Western Shore.

been postponed to the 23d, 24th and 25th of Nov. Various considerations led to the adoption of this measure-first, the days previously fixed upon, happened to be on the days of the yearly meeting of Friends in this city-and it has always been a matter of particular pleasure to the members of the Society, as well as an eminent advantage to the Institution, that its objects have been

It was thought, too, that the number of recent occasions for bringing the people from their homes, and especially the all-absorbing curiosity to see, and desire to pay respect to the "Nution's Guest," would prevent many from so soon leaving their homes again, and finally, when Gen. La Payette accepted the Diploma of Membership of our Socicty, he claimed for himself "the honour of being a practical agriculturist," declared his partiality for its pursuits and expressed a strong de- by the Institute. sire to be present at our next exhibition; when if the premiums will be delivered by his hand, to the fortunate competitors, with an inscription to that effect.—Under all these circumstances it has been judged, by the Trustees, expedient to postpone the next Agricultural Fair and Exhibition to all times.

Third M. to 21. M. for the admission of all persons.

Printed every Eriday at 8.4 per annum, for JOHN S. SKINNER, Editor, by JOSEPH ROHINSON, on the North West corner of Market and Belvislere streets, Baltimore; where every description of Book and Job Printing executed with nearness and despatch—Onders from a distance for PRINTING or BINDING, with preper directions promptly attended to, addressed to J. Robinson, Baltimore.

for independence. The whole course of your il-the days above mentioned, one week after the Cattle Show at Easton, in Talbot County, which takes place on the 19th and 20th of November, sist them on this interesting occasion: It is most carnestly requested of the several Editors of papers in Maryland and the District of Columbia, all of whom are, from their politeness in forwarding the views of the Institution, con-Brass Founders' Crucibles. practical agriculturist, and that you are devoting it to stand in a conspicuous place until after the

> IF Virginians guard your pockets .- This admonition would never be out of place to our friends in Virginia, and South thereof, for their pockets like their hearts are always open. But as none should get admittance into either without the consent of their owner, we now warn those who are about to repair to the festival at York, that a mittees, will be published on or before the 15th gang of pickpockets is following the Nation's inst. any valuable papers, nor more money than is in-Gentlemen here have had their breeches pocket miums. unbuttoned, robbed, and have been afterwards laughted at. We say, therefore, Virginians guard shall decide upon the Premiums, on Monday, the your pockets!!!

> > 000

PRICES OF COUNTRY PRODUCE-carefully collected every Thursday, for the American Farmer. By ROGERS & STMINGTON.

Flour, Howard-St., \$5 37½ a \$5 50—do wharf, \$5—Wheat, red, 95 a \$1—Lawler, do \$1 a 1 05 do 38 cents-Rye, 37 1 cts-Oats, 20 cts.-Whiskey, 28 cents—Apple Brandy, 25—Clover Seed, white, per lb. 37½ cts.—Red, do per bushel, \$4.75 -Saplin, do \$5 75-Timothy, 3-Orchard grass, \$2 50—Herds grass, \$2—Herrings, No. 1, \$2—All articles may be sent to No. 2, \$1 75—Hay, per ton, \$10—Leather, best ling, No. 2 Carpenters' Court. Sole, 24 to 27 cts. Feathers, live, per lb. 32 cts.-Cotton, Louisiana, 16 to 18 cts .- Georgia, Upland, 15 to 17 cts.-Alabama, 13 to 15-New Wool, 30 to 35 cts.—Merino full blooded 35 to 40 cts.—3 do 30 to 35 cts.—½ do 25 to 28 cts.—Common, 20 to 25 cts.—25 per cent, more when well washed on the sheep and free from tags—Coal, pit, foreign, 40 cts.—Virginia, do. 20 to 25—Susquehannah, do This great annual festival of our farmers has 6 50 to \$7-Lime, bushel, 30 to 33 cents.

Tobacco-No alteration since our last quota-

Franklin Institute.

The Managers of the Franklin institute hereby give notice, that their first Annual Exhibition of matics, geography, and the use of the globes.—the products of American Industry, will be held Reference as above. approved and patronized by that industrious and on Monday, Tuesday and Wednesday, the 18th, most exemplary class of our citizens.

19th and 20th, of October instant. To which all Manufacturers, Mechanics, Artists, &c. are invited to send the products of their manufacture.

The exhibition will be held at the Carpenters'

Hall, back of the post office.

In order that every article may be disposed of

The rooms will be opened on the days of Exhe can attend, as it is hoped and expected he may, hibition, from 9 A: M. to 2 P. M.; and from 3 to

The Committee on Premiums and Exhibitions have appointed the following Committees to as-

1. A Committee of Arrangement.

2. On all manufactures of Iron and Steel. 3. On all articles of Copper, Brass, and on

4. On Chemicals, including Acids, Salts, Co-

5. On Glassware.

On Earthenware, Porcelains, &c.

On all Cotton Goods.

8. On Woollen Goods of every description.

9. On articles made of Leather.

10. On All objects appertaining to Mechanics:

11. On Cabinet Ware. 12. On Straw Bonnets.

A list of the Members composing these Com-

These Committees shall examine the articles referred to them, and report upon their merits,

The Committee on Premiums and Exhibitions 18th, and the Public award of them shall be made in the Exhibition Room, on Tuesday, the 19th, at 4 o'clock, P. M.

All articles intended for Exhibition, shall be sent at latest on the 15th of October. They shall all be returned to their owners within three days after the close of the exhibition. No persons shall be at liberty to withdraw an article after it shall have been delivered, unless with the approbation of the Committee.

All objects received, shall be registered in a book, and all persons offering themselves as competitors for Premiums shall notify the same to one of the undersigned.

All articles may be sent to Mr. Conrad Bart-

On behalf of the Institute JAMES RONALDSON, Committee THOMAS FLETCHER, on ADAM RAMAGE, Premiums WM. H KEATINGE and SAMUEL V. MERRICK, J Exhibitions.

A Gardner,

That can come well recommended, will find employment on application to

JOHN H. DE BUTTS,

Alexandria, D. C. Employment will also be given to a single man capable of teaching the English language, mathe-

CONTENTS OF THIS NUMBER.

On various breeds of Sheep: their origin, peculiarities, and properties: by John Hare Powel, Esq.—Treatise on Soils and Manures by a practical Agriculturist, continued from our last—History of the White Flint Wheat—Diseases of Domestic Animals and their cure—Seeds of various sorts— Raif Roads and loco-motive Engines - Power Looms-Steam in a suitable manner, the Contributors to the exhibition, are requested to lose no time in sending the objects intended for it—especially such as are offered for competition for the premiums proposed by the Institute.

The rooms will be opened on the days of Extended the Contributor's Contributo Carrent-Advertisements, &c.

AN ACT TO INCORPORATE THE MARYLAND AGRICULTURAL SOCIETY.

Passed December Session, 1823.

mily domestic manufactures, upon the terms and be chosen annually. conditions and under the regulations and provisions set forth in the following articles of association, viz:

We, the subscribers, do hereby agree to asso- fect the objects of the institution. ciate ourselves under the style and title of the

mestic manufactures.

Art. 2. The officers of this society shall be a president, a vice-president, a recording secretary, member of said society. a corresponding secretary, an assistant recording secretary, a professor of agricultural chemistry, a

Art. 3. The duty of the president shall be to recording secretary. preside at all meetings, to direct such correspon dence as may be necessary, to superintend the af-president or the vice-president attending, shall fairs of the society, and to make such communications as from time to time may be deemed useful.

Art. 4. The vice president in case of the abany officer, the society shall have power to appearance of such absent officer, or in case of corporated by law-Therefore, death, or resignation, until another officer shall

be duly elected.

take the most efficient measures for collecting and ness; to designate from time to time a: subjects by the trustees of such Shore.
and objects for which premium for the same;
3. And be it enacted, That the Maryland Agrite appoint committees to examine into the merits cultural Society shall be, and is hereby authorised

Art. 6. The assistant secretary, the assistant of working oxen; within which bounds and limits, treasurer, and the twelve trustees for the Eastern no person or persons shall be permitted to enter shore of Maryland, shall be chosen at a meeting to be called on that shore, by the vice-president WHEREAS, Sundry persons, citizens of the state and when so chosen, shall serve until the close of of Maryland, have formed themselves into a so the next exhibition on the Eastern shore; and the cicty for the promotion of Agriculture and of fa- trustees for said shore shall then and thereafter, ed as aforesaid, contrary to the rules and regula-

Art. 7. The society shall have power to make such by-laws and regulations, as they shall from

Art. 8. Every member on joining this associa-Maryland Agricultural Society. tion, shall pay to the treasurer, or to the assistant Article 1. The object of this association is treasurer, a sum not less than two dollars; and tion, shall pay to the treasurer, or to the assistant ty, to the use of the society aforesaid: Provided, the promotion of Agricultural and of family do- shall annually thereafter at the time of the annual construed to authorize such society to occupy, or meeting of the society, pay a sum not less than include within their limits as aforesaid, the estate

of premiums to be distributed by the society at therein. professor of botany, a treasurer, an assistant treat their meeting on the Western shore, and all exsurer, and two collectors, one for each shore, penses incurred by the trustees in the preparatory twenty-four trustees, and such other officers as arrangements for such meeting, or otherwise, efficiency to the rules and regulations of their rethe by laws of the society shall from time to time shall be paid by the treasurer, under an order spective officers, for the preservation of good ordirect; all officers, where not otherwise directed, signed by the president, and countersigned by the der on the particular occasions of its public cattle shall be chosen by ballot, to serve until the close corresponding secretary; and all expenses in shows and exhibitions, the trustees of the said soof the next exhibition, and then and thereafter curred on the Eastern shore for premiums, or ciety shall be, and are hereby authorized to nobe annually elected at the meeting held on the otherwise, as aforesaid, shall be paid by the as minate and appoint a sufficient number of suitable Western Shore, in the month of November, or sistant treasorer, under an order signed by the persons, who shall be inhabitants of the county, such other month as may be found to be convenient. vice-president, and countersigned by the assistant to act as marshals, who shall be sworn to the

with the members present, form a quorum.

tants of the State of Maryland and of the District and exhibitions, as constables by law now have; sence of the president, shall fulfil his duties; and of Columbia, friendly to agriculture; and provi in case of the absence, death, or resignation of sion shall be made for the election and admission twelve o'clock, at noon, of the day preceding the of honorary members: And whereas, sundry mem-day of the commencement of said shows and expoint in his place a member to act until the ap- bers of the said association have prayed to be in-

SEC. 1. Be it enacted by the General Assembly of Maryland, That all and every person or per- from, and after the passage of this act, shall erect a Art. 5. Twenty four trustees shall be elected, sons who at the time of the passage of this act, booth, or other arrangement for the purpose of of whom twelve shall be from the Western shore, may be, or shall hereafter become members of said selling, or shall sell or dispose of any spirituous and twelve shall be from the Eastern shore, to be society, be, and are hereby created a body politic, liquor within one mile of the grounds defined and elected by the members of each shore respective- and corporate by the name, style, and title of the fixed for the holding of the annual cattle shows ly; they shall meet as often as their respective Maryland Agricultural Society, and by the same and exhibitions, as provided for in this act, withchairman, or any two members may deem it ne- name shall be able to suc, and be sued in all courts out permission granted in writing, signed by the cessary, and any three members shall constitute a of law or equity; and to make and have a com- chairman of the board of trustees and counterquorum; the trustees shall from time to time ex mon seal; and also to ordain and establish such signed by the corresponding secretary of said soamine in person the management and condition of by laws and regulations, as shall appear necessa- ciety, said person or persons so selling, or disposuch farms as they may consider objects worthy ry for regulating the concerns of the said corpo sing of spirituous liquors, shall forfeit and pay the of their attention, and they shall make report to ration; and may hold property, real, personal, and sum of forty dollars, to be sued for before any justhe society of such as may merit their approbation; they shall severally take charge of all the property and articles of the society, on their results of the society of the society.

distributing the best samples of all the useful lations set forth in the above recited articles of as prevent them from erecting a booth or booths, or grains, roots and seeds; for collecting all fossils, sociation shall be, and are hereby declared to be other arrangement for the purpose of selling said marls, earth, or substances, proper for manure; a part of this act of incorporation, and shall be liquors. for causing the same to be analyzed, and report and remain the rules and regulations of said body the result to the society; for procuring experi-corporate until it shall be found expedient to ments, to be made by careful agriculturists, of all amond the same: Provided, That the next and such fossils, marks, earth, or substances; for col- all subsequent meetings of the society on each lecting models of the best agricultural imple- Shore, shall be on such days and at such places as ments, and to report their properties and useful- from time to time shall be designated and notified

of, and report on all claims for premiums, to and empowered by its trustees, or other officers. their proceedings; the trustees of each Shore venient passage ways to and about the same, or shall have power to fill up from time to time such the days of its annual cattle shows and exhibi

or pass unless in conformity with the rules and regulations of the trustees or other officers of said society; and if any person shall enter or pass within the bounds and limits thus fixed and defintions of the trustees, or other officers as aforesaid. after he shall be notified thereof, he shall forfeit and pay a sum not less than one dollar, nor more ime to time deem necessary for carrying into ef- than five dollars, to be recovered before any justice of the peace of the county, in an action on the case at the suit of the treasurer of said sociehowever, That nothing herein contained shall be two dollars, so long as he may continue to be a of any person or persons without the consent of the owners thereof, or to occupy any public highway Art. 9. All expenses incurred in the procuring in such manner as to obstruct the public travel

4. And be it enacted, That for the purpose of enabling the society as aforesaid, to give greater faithful and impartial discharge of their duty, and Art 10. At every meeting of the society, the shal! have the same authority in relation to the preservation of the public peace, and to the service and execution of criminal process, within the Art. 11. The society shall consist of inhabi-limits prescribed for the holding of such shows and they shall exercise their said office from hibitions, until twelve o'clock, at noon, of the day succeeding the termination thereof, and no longer.

5. And be it further enacted, That whosoever pective shores, the books and papers of the other by this act contemplated to raise, the annual sum effect any person or persons resident within the departments excepted; it shall be their duty to of one thousand dollars. said prescribed limits, who may be authorized to 2. And be it enacted, That the rules and regu-sell spiritous liquors, in any other manner than to

AGRICULTURE.

"TREATISE ON SOILS AND MANURES BY A PRACTICAL AGRICULTURIST."

(Continued from our last)

ROTATION WITHOUT A SUMMER FALLOW.

"The most common rotation on the best dry soils is one of four years. 1. Wheat-or oats (asdesignate the time and make the requisite prepa-tratory arrangements every year for the meeting fix bounds and limits of sufficient extent for the grass.)—2. Turnips.—3. Wheat, barley, or oats, of the society, and to keep regular minutes of all being under green crops, and the other under white crops. But on siliceous sandy soils (flinty vacancies as may occur in the respective boards. Itions, and also for its ploughing matches and trials sand being the abounding ingredient) it is neces-

sary to retain the clover and rye-grass division wish that Mr. Ducket, the able cultivator, of Peoven produce."

ROPATIONS WITH A FALLOW.

"On clayer loams the rotations are more varicd. On strong clays, beans is the best relieving succession crop; and although it cannot be proposed as a perpetual substitute for a summer fallow, in alteration with wheat or any other exhausting culmiferous crop,-yet when drilled, and hand and horse-hoed, beans supersede the necessity of fallowing oftener than once in a rotation of six or eight years. Wheat and beans have been taken alternately for a series of years, even as many as eight, on the best soils; but the most frequent! courses are of four and six years. The four years' course is renewed in this order: 1. Fallow; 2. Wheat; 3, Clover; 4. Oats. The six years' course revolves, with nice adaption to every crop, thus: 1. Fallow; 2. Wheat; 3 Clover and Ryegrass; 4. Oats; 5. Beans; 6. Wheat. Or the six years' rotation is sometimes varied thus: 1. Fallow; 2. Wheat; 3. Beans; 4. Barley or Oats; and thus unites the system of continued pasture 5. Clover and Rye-grass; 6. Oats: but by this arrangement the land is neither so clean, nor so well pulverized, as it should be in preparation for elovers. On clayey soils a complete fullow is considered as the basis of every profitable rotation orop by the most judicious farmers of Scotland; orop by the most judicious farmers of Scotland; dependence that they can be kept sufficiently dry and according to their concurring experience, on in winter for a feeding-crop. "Many soils may not collective soils have been sufficiently dry and soils may be to begin a soil and the source of the control of the source of the wet cohesive soils, however good the course of sillage, no trials, made upon a large scale, to postpone a fallow for more than eight years, have hithereto been successful in that part of the island."

Some of the Papers in the above-mentioned General Report, which record this result, allude does not think this method equal to a feeding-crop months, the majority die down to the root, having to the climate as being wet and humid for a greator portion of the year than in most parts of England; and in some degree attribute the failure, with them, of the non fallowing system to that cause. But having no system to manufacture for sources for manure,—comprehensive views, a candid independence of the order than the sources for manure,—comprehensive views, a candid independence of theory, and an exact balance. The note bespeaks the echo of a new below. of the adventure, and returns under both methods, may have a greater share than the climate pendent of that system which would invert, in-

the tenor of which agrees with the above, both in the inclination to dispense with fallowing, as far to eventual gain.

Very striking circumstances are connected with intelligence of the present day, though written five and twenty years ago; for rejecting some of the speculative notions which were then in fashion, the writer took at once the tenable ground to which experimental agriculturists have in general reverted. Secondly, they are attributed to the pen of His Majesty George the Third ;-a king who, though placed by afflictions beyond the reach of flattery, is still praised and revered by his people.*

Extracts relating to ROTATIONS WITHOUT FALLOW. subject of summer fallows has made me secretly

applied to such land than can be returned from its thoughts not only on that subject, but would have benefitted the public by a full explanation of that course of husbandry which has rendered his farm at Petersham, which has been now above nineteen years in his hands so flourishing, though his three predecessors had failed in it."

"His course of husbandry seems to be the employing clover, turnips, and rye, as fallow crops, and as intermediate ones between wheat, barley oats, and rye; changing them according to the nature and quality of the land,"-Letter dated 1st Jan. 1787.

"He would in general reject the practice of ter,-from the cattle, while consuming the crop, this enables the farmer to keep a larger stock of cattle, which increases his quantity of manure."

"Thus his land, although never dormant, is continually replenished with a variety of manures, with cultivation."-Letter dated 5th March, 1787.

Extract relating to WINTER FALLOWS.

lands gives them a middle nature between light and heavy; or else from local causes there is no be improved by winter fallows. This may be the temporary mischief is followed with a rich practised by ploughing immediately after the compensation. All plants which are not aquatic, grain crop is off in a dry season; and by being if they are covered over the tops with water, well water-furrowed during the winter; and by proper dressings in the spring; but Mr Ducket they thus continue inundated during the winter of rye, turnips, or tares."-Letter dated 5th of March, 1787.

Extract relating to SUMMER FALLOWS.

The note bespeaks the echo of a preconceived opinion: but his Correspondent had a mind indein their decision.

Indeed it would be easy to multiply quotations from intelligent writers on this side the Tweed, ply is a pointed correction of the mistake in regard to Mr. Ducket.

"He thinks fallows necessary for strong soils, as it can be done with profit, and in the admission as the clods of the earth cannot be well broken to that on certain lands a periodical fallow conduces pieces without being sometime exposed to the air."-Letter dated 5th March, 1785.

As in gardens the land can be kept clean by the the Letters on Agriculture, from which we are hoe, and the renovation by manure is more under

† " I have at various times, during the last fifteen years, viewed with great attention the hus- insulated observation is certainly not enough to bandry of the very ingenious Mr. Ducket. I took support the principle laid down by the Professor. notes of what I saw for my private information, As the water is reduced in depth, in the course of but did not publish them, as I thought I perceived its subsiding and evaporating, there must happen a disinclination in that gentleman to have them so many occasions on which the grass would lie al-"The dispute which has lately arisen on the brought forward; and on some points, he express ternately in shallow water, and alternately in thin ly desired me not. I am glad to find by this medice, partly covered and partly exposed, and ready moir (for which the fublic is much indebted to the to dissolve as soon as any heat acts upon the moisauthor) that he has relaxed in this particular. I ture. the public in his Annals of Agriculture, 7th vol. wish much that Mr. Robinson, as he has broken to whom they were sent with all the exterior marks the ice, would proceed, and in particular give his of an ordinary correspondent: they were subscribcourses of crops; and explain, in particular, his of "Rathh Robinson," and dated from Windsor. utter rejection of fallows."

1. To obtain an alluvial deposit left by the wafor some years in pasture, unless more manure is tersham in Surrey, would have communicated his ter. In winter, on land where no crop or seed is lodged, but where annual or other plants are to be cultivated in the following season; or in au-tunn, whenever the crop is off the ground; or at any time when the soil of a fallow requires to be strengthened, this substituted for a more expensive manure may be applied. Also meadows may be floated at the seasons judged proper, according so the circumstances of the land, the quality of the water, and the constitution of the grass. The practice of the Fiorin School (founded by Mr. Richardson,) as reported in the Agricultural Magazine, N. S. No. 6. is in substance thus: "Some parts of the Fiorin to be irrigated in November': fallowing on light soils; as feeding-crops are bet. others in February: the floating to be continued at intervals throughout the summer; the water to treading the soil, and rendering it more compact be one week, or less, on the meadow, and two weeks and firm, which a light soil requires ... Besides, off it: but the grass not to be mown till October." The result is not stated. In the most favourable event, this method could only be proper for grass which naturally grows on bogs, and where it is intended to be husbanded as a winter food.

2. In summer, a light shallow irrigation may be directed over land occupied with growing plants, where a long continuance of dry weather makes it desirable to draw out such a resource. This is It is to be premised that the texture of some merely watering; and not irrigating, to obtain an alluvial manure.

The winter irrigation of meadows is, in many districts, the effect of a local flood, which the farmer cannot prevent nor materially control: but the herb completely dissolved, and even the roots of others perish; but the vegetable matter of the plants thus decomposed adds to the depth and fertility of the soil; and such plants as survive to The joint effect of this and the preceding pass shoot again in spring, derive an advantage from sage is the more remarkable, because the Editor the decayed substance of the others, as well as

Sir Humphry Davy's theory on irrigation partly corresponds with the above; but one good effect which he attributes to the flooding of meadows in winter, is quite opposed to the admission of preserves the roots and leaves of the grass from being affected by frost..... Water is of greater specific gravity at 42° of Fahrenheit than at 32°, the freezing point; and hence in a meadow irrigated in winter, the water implediately in contact with the grass is rarely below 40°, a degree of temperature not at all prejudicial to the living orgoing to borrow almost the counterpart of the above. First, these Letters are not behind the intelligence of the present day, though written most cases sufficient.

In 1804, in the month of March, I examined the temperature of a wa-VI. By Irrigation.—Irrigation is often found ter meadow near Hungerford, in Berkshire, by to be beneficial under two different kinds of cir a very delicate thermometer. The temperature cumstances; being resorted to with different in-tentions:

of the air, at seven in the morning, was 29°. The water was frozen above the grass. The temperature of the soil below the water, in which the roots of the grass were fixed,* was 43°." This

It concerns the practical farmer who has meadows which he can either float, or keep dry, to

^{*} Mr. Young had the honour of giving them to

^{*} Elements of Agricultural Chemistry, p. 239.

decide by close personal examination, in what manner grasses not aquatic are affected by lying under water during the frosts and other vicissitudes of winter; of this the state of the grass at the subsiding of the water in spring, and the weight of the crop, is the proper criterion.

The Professor says in another place: "When land has been covered by water in the winter, or in the beginning of spring, the moisture that has penetrated deep into the soil, and even the sub soil, becomes a source of nourishment to the roots of the plant in summer; and prevents those bad paper, pen, ink, wax, &c. on the table, to which I effects that often happen to lands in their natural state from a long continuance of dry weather." The alluvial matters which the water may have diffused through the veins of the land is undoubtedly beneficial: but, were the water which has plain; he is very communicative and most pro-conveyed them to stagnate in the subsoil, it would fusely hospitable. He is a true whig, and has albe more pernicious to most plants than the droughts of summer.

We now come to some other communications

already in excess, water charged with a limy sedi- wish them. ment should be withheld; while water impreg-nated with sand, clay, gypsum, or particles of here. I find the turnips are subject to many aciron, would be beneficial.

tain portion of the constituents of vegetables and small leaves. The produce of sheep is amazing-

country.

soil and the matter of the deposit are not pernicious when combined. These are general princious on a soil that does not effervesce with acids, share, thus, which is one of the tests of the presence of lime. 3. Caleareous waters, which are known by the earthy deposit they afford when boiled, are of most use on siliceous soils, or other soils contain-side of the share. ing no considerable proportion of carbonate of lime.

Supposing the farmer to have a complete comby irrigating on the above principles.

(To be continued.)

† " Should the frost set in when the water is on level, except a few barren hills. with ice for some days, the shot so covered with ice but then they have lime, chalk, &c. every where, will be of a darker green, and appear more heal and grass seems to grow kindly even on the poorthy in the spring than the rest of the field. But est. when they come to mow the hay, the croft will be considerably less than that on the other farts of paliered on the wall. They think they have the field that were not covered with ice." On Wa-finest in the world. It is large and fair undoubt-increase it." "This I apprehend, no one will attering Meadows in Brecknockshire. Report by edly, but certainly as far as I have seen, has less tempt to refute.—Whereas the same plant, if Mr. John Clark to the Board of Agriculture, 1794. llavour than ours. We had at table yesterday, at raised in strong land, would have twice as much

FOR-THE AMERICAN FARMER.

AGRICULTURE OF . HOLKILAM.

Extract of a letter from a gentleman now in England, to his friend in Virginia, dated

"HOLKHAM, 10th July, 1824.

As you are a renowned farmer, I thought it most classical to give you a few lines from the celebrated domain of Mr. Coke, the great agriculturist and opulent commoner, especially as I find am shown in my lodging room. Here you have every thing at your elbow, and need no further saking his old stock of sheep, which was solid fat. waiting on. The house is on a scale of which you He now has, what he calls, the improved Down, have no idea; in his manners Mr. C. is quite ways been on the American side in our controversies with England, for which we ought to like him.

I have learned in Norfolk, that our mode of by this distinguished Chemist; the substance of trying live hedges has never been fair. They are ed. You see most people travelling in cloaks in which may be given without protest or comment the great ornament of England, and are well June and July, and you always find two blankets which may be given without protest or comment the great ornament of England, and are well June and July, and you always find two blankers as principles consistent with experience—althor worth a further experiment; though I doubt if on your bed; one of which, and sometimes the they are placed on an original foundation, which our unlearned pigs would not penetrate them other, is necessary. Yesterday we had a fire.—It enlarges the sphere in which irrigation may be even in Norfolk. The thorn should be planted in rains almost every day, generally light showers. safely applied. double rows, each plant being about four inches "When the water used in irrigation has flowed from its neighbour, thus, they should be over a calcarcous bed, it is generally found im-pregnated with carbonate of lime; and such wa-should be trimmed every year on the sides, so as protected when young by some other enclosureter tends, in that respect, to ameliorate a soil in to make them shoot upwards and to make them rally looks vigorous-it is now in flower, but no proportion as any of the modifications of lime densa. Moreover the seeds should be sown in a idea can be formed of the crop. Mr. C. says, and charcoal were deficient: but where these are nursery, and the young plants removed when you that it is not so more than a crop with him as it is

cidents from the fly as with us. They put them "Common river water generally contains a cer- in drills-1 saw some yesterday with four or five animal bodies; and after rains this portion is great. I mean the yield in money. Mr. Coke has lately er than at other times: it is habitually largest sold sheep, fifteen months old, thus,—fleece, 10s.; when the source of the stream is in a cultivated meat, in London, 37s., equal to 1£. 17s. sterling. "In general, those waters which breed the best one trial, I never saw it in Virginia. The ground munity, I determined to prepare the following refish are the best fitted for watering meadows; but is nicely prepared in drills, the seeds are sown marks for consideration. Anticipating the plantmost of the benefits of irrigation may be derived very thick in drill to allow for the ravages of the ing of a nursery, it remained to me donotful which from any kind of water—provided the soil be not fly, and still have plants enough. He assures me was the most expedient method; for not long already overcharged with the prevailing ingredient in the deposit left by the water; and provident in the deposit left by the water; and provident method, barley, and almost every thing is be planted in good and rich land, because when ded, on the other hand, that the matter of the drilled. Labour is too dear with us for that, but transplanted, the trees should be conveyed to a we might drill tarnips. He has a curious instru-ment for cultivating the ground about them. It and then they would fulfil the expectations of the ples: 1. That waters containing ferruginous im scoops out the sides and bottom of the furrow industrious farmer. But I observed in your papregnations (particles of iron) tend to fertilize a very neatly, and never touches the top of the ridge per (vol. iii. p. 41) the opinion of Mr. Miller, the calcareous soil. 2 Ferruginous waters are injuri-where the turnips are. It consists of a small plough father of horticulture in Great Britain, "that

and two side blades bent thus,

They make no use of plaster of paris in England as manure. But the quantity of stable ma- and vegetable creation, I should suppose that the mand over contiguous water containing a suitable nure they put on the ground is amazing. I never most credible testimony appears in favour of the alluvial deposit, he may render a cultivated level, saw, except on asparagus beds, any thing like it. former instead of the latter,—that young trees which requires rest and a cheap manure, extreme [I assure you it is unpleasant to ride near a newly should be fed with an increased proportion of lood, ly productive with comparatively little labour, ploughed field, from the smell of the stable yard. I have seen ground bone also used as manure .less. The land in England is every where nearly thriving condition, and fed daily with what nature level, except a few barren hills. There is more actually needed for a time; now diminish their the land, so that some shots should be covered land which was by nature barren then I supposed, food in time of necessity, - would these soldiers

Holkham, a muskmelon, grapes, strawberries, raspberries, and cherries; the grapes fresh from the hot-house, beautiful purple ones, but not equal in flavour to those we have eaten at Mr. -The strawberries were enormous, beyond any thing, but not so sweet as ours.

Mr. Coke is greatly enamoured of his Devonshire cattle. He says the oxen are far superiorthe milk, the butter, the meat, and every thing better. They are uniformly of one colour, somewhat of a redish bay, with long horns; not very large, but round and well formed, and are the handsomest eattle I have ever seen. He'is forwhich he thinks every way superior. But I have seen no mutton better than our own, certainly none so good as the Alleghany. The beef is generally better than ours, and instead of cating it half raw as you hear, it is cooked most admirably.

The climate is cool beyond what I had suppos-

The wheat and barley of Holkham are throughout as good as the best I ever saw—butthat is not the case elsewhere. The wheat is often very foul, sometimes irregular in its growth, but genethat it is not so uncertain a crop with him, as it is generally represented to be in England.

> FROM THE NEW-ENGLAND FARMER.

PLANTING TREES.

SIR,-Contemplating the usefulness of your paper, and reflecting that one great object of it is to dissipate all erroneous theories which may be Mr. Coke's method of cultivating turnips is worth prevalent among the agricultural part of the comyoung trees should be raised on good land; and that it was necessary they should carry a stock of health and strength, to enable them to live on one on each poor land;" which of the above recommendations will stand best in fractical demonstration, is the inquiry of the subscriber.

If the analogy is invariable between the animal instead of diminishing as they increased in age. For illustration, suppose there was a large army, Near Lincoln it is much esteemed, but in Norfolk consisting of young men, all in a healthy and actually needed for a time; now diminish their [the roots] supply the officers [the trees] with what the country [the husbandman] expected. But it is further observed that a plant raised on

able to find nourishment even from poor land, be-trees, the land should not be quite so rich as that cause they have more mouths to collect it." But, into which they are to be transplanted; because suppose, for instance, that a man with a number it will be better for them to have their nourishment even from suppose, for instance, that a man with a number it will be better for them to have their nourishment even from poor land, be-trees, the land should not be quite so rich as that side of the building, leaving a space in the middle to pass. In foddering, the hay was pitched from the bay in the barn through a window over the ment increased than diminished, as they increase stables, and then put down into racks; very little most dexterity, should sit down with a common in age."—The Farmer's Guide says, "we agree gentleman to a table, where there was nothing to with a late writer in opinion, that the soil ought supply the cravings of nature, I cannot conceive, to be naturally good, for at least one full spade made in the stable was put down through the floor Mr. Editor, what superior advantage the ex-tra-mouthed man would possess over the other. a moderately light temperature is best, and that and team to take it away. Therefore, I doubt not but your goodness or that it cannot naturally be too good. It is very wrong of some of your correspondents, will undertake to enrich nurseries with dung, particularly until barn, and I think it is the most convenient of any that I ever saw. Though the barn was not large, ical disquisition, and draw the line where it would not absolutely necessary that the soil should be be most useful and beneficial to the farmer, and exceedingly rich, nor over carefully manured. A of it, gave large receptacles of hay, and the decide whether young trees when transplanted, medium between the two extremes is best; such apartments under the floor and stable, gave spashould be put into a poorer soil, a richer, or a as any good substantial garden ground, or good soil like that from which they were removed. As mellow pasture land. The situation most favour-green fodder and manure; and preserved the forthere is but one end to a rope, (although Patrick able is a piece of level ground, neither wet nor said it had three) so there is but one right way dry, free from stones, in an open situation, where for planting and transplanting young trees. The fruit trees have not lately grown, nor indeed any truth yet remains doubtful, and the error is not other deep-rooted plants."—On the whole, we are yet banished from among our New England far- of opinion that in this as in many other cases in barns, and some two or three large ones. Nothing mers. Surely at a time when our public papers which disputes exist, the truth lies between the appears more detrimental to their interests. Suare in dispute on such a topic, agriculture must two contending parties, and that neither is wholly perfluous buildings are nothing but a tax upon be in its infancy, although it was established a right nor yet altogether wrong. Young fruit trees, farmers, the cost of repairs being very great. I very short time after our first parents ate of the as well as young animals, should neither be stuf- had rather see the stacks stand thick around the forbidden fruit of the garden.

As the raising, cultivating, and managing of them. fruit trees, is of great importance to every farmer, the dividing line between truth and error ought to be drawn, that farmers may proceed in the path of correctness; and with industry and application, seek the one thing needful for improvement in agriculture, and by seeking, we are

assured that we shall find.

I am, Sir, yours with the greatest sincerity and respect,

J. W. CAPRON. Attleboro', Oct. 4, 1824.

[REMARKS BY THE EDITOR.]

by a fruit nursery, requires to be made rich and ly go out of the stable in a month.

seem to be the better plan to make the nursery on high. A door led from the barn into it, besides

root; and when transplanted, these roots will be Deane, likewise, says, "in a nursery for fruit the cattle stood with their heads towards the out-

ON THE CONSTRUCTION OF BARNS, STABLES, &c.

DEAR SIR,-If you think the following worthy a place in your paper you may insert it.

In passing through the country a few weeks managed it right. since, I came across a barn differently constructed from any in this vicinity; and I think for neatness and convenience of construction, it was supe-tior to any I have ever seen. The barn was of yard with a wall 8 feet high, and above all the ordinary size, and the main part of it was built rest, that they will see that they have the manure A great disagreement of opinion has been ma. in the usual shape, but a good deal neater and three feet deep in the spring. In order to insure nifested relative to the proper soil for a nursery tighter. The bays were upon each side of the this, I advise them to keep their teams employed of fruit trees. But most modern writers adopt floor, and the bottoms of them were sunk eight this fall in collecting turfs and all manner of stuff, the sentiments of Mr. Miller, mentioned above, feet below it. This gave room for a large quan- and drop it into their yard. And when you go Dr. Thacher says, "there is a close analogy betity of hay below the floor. The large doors tween vegetable and animal life;—and it is a dic-were towards the South, to admit the sun when tate of nature, that both require a full supply necessary, with a small door in one of the large of nourishment from their earliest existence. It ones to enter a when the weather was windy, better. You will find ridges along side of your would be absurd to suppose that the tender roots and made it dangerous to open the large doors. fences, that may be taken and put in the yard; of young seedlings are capable of drawing suffi- Barns ought always to have a small door to use in and you will put stubble and weeds and a great cient nourishment from a rank, barren, and uncultivated soil, and those that are barely supported or nearly starved at first, will never afterwards over the door to admit the light when the large Turn the water from the road upon your low surrounded by the richest mould. Repeated ex-periments have proved that a strong and vigorous same purpose. Under the floor was a convenient plant that has grown up quickly, and arrived at cellar, in which were kept potatoes and all kinds considerable magnitude in a short time, never of green vegetables for green fodder in the winter, fails to grow better after transplanting, than The cellar was a very warm one, and well light-another of the same size that is older and stinted with two windows. This cellar struck me as in its growth. When the soil is poor and lean, trees in every stage of growth are observed to be languid, weak, and stinted; while those reared in not have one. There you may keep as many a good mellow soil, always assume a free growth, and advance with strength and vigour. It is evident, therefore, that the ground to be occupied stable to your cattle; and the cattle need scarce-

fertile. The soil should also be deep, well pulve-rized, and cleared of all roots and weeds."—Thach-and a trough on the south side of the barn was a diuretic power; the dose two or three drams. kept always full. Upon the north, or back side. Pricking.—In shoeing a horse the nail is some the stables: they were built in times driven in a wrong direction, and the sensi Exp. drways land. Open the north, of back site of the barn, were the stables; they were built in times driven in a wrong direction, and the sensiseeds "in autumn, on rich ground."—On the other one building, and joined to the main part, of about ble parts are wounded; he is then said to be hand, the Farmer's Assistant says, "it would 25 feet in width, 30 feet long, and 12 or 14 feet pricked. The smith often endeavours to conceal

hay could be wasted in this way, and the boys could be trusted with the foddering. The manure

Such is the construction and the situation of thisgreen fodder and manure; and preserved the for-

fed nor starved, but fed with food convenient for barn, than to see more than one barn; and I am convinced that a barn 50 feet by 30, of the construction just mentioned, would be sufficient for most of our largest farmers. In England it is not a general practice to put hay in the barn, but it is stacked out in very large stacks and then thatched. Their barns are filled with grain, and so would those be of every American farmer, if they

Barns should be made perfectly tight, and be painted; and I hope my brother farmers will

become vigorous, stately and handsome, though doors were shut; besides a small window in each lands, and it will help them amazingly; and do it now before the ground freezes. Prepare for winter, for it is close by. In haste,

THE FARMER'S FRIEND.

0 3777 DISEASES OF DOMESTIC ANIMALS

AND THEIR CURE. Potash, Kali, Salt of Tartar, or Salt of Wormwood.-Potash in its pure state is a very powerful, but in few cases a convenient caustic, on account of its becoming liquid by exposure to air. When combined with carbonic acid or fixed air,

t is rendered mild and fit for internal use; it is The yard was well watered by an aqueduct, then named Carbonate of Potash, and possesses

Pricking.-In shoeing a horse the nail is somethe injury by withdrawing the nail, and filling the seem to be the better plan to make the nursery on high. A door led from the barn into it, besides the injury by withdrawing the ball, and niling the such ground as is but illy suited to the growth of another door from without upon the east side, hole with the head only of a nail. Lameness is the trees to be raised; for by afterwards placing where the cattle were admitted from the yard, then in a soil that is natural to them, they will A floor was laid over head, at the distance of grow more thrifty than trees raised in a nursery seven feet from the lower one. The stalls were Sometimes the nail is driven so as not to wound where the soil is suited to their growth."—Dr. arranged upon each side of the building, so that the sensible parts, but so near them as by its pres-

sure to bring on gradually inflammation and lame-in the healthy horse is about forty; next, its STATISTICAL VIEW OF THE U. STATES. ness; in this case the lameness may not take place strength; when the contraction of the heart is When a horse has been slightly pricked, and the tery be pressed moderately with the finger; but nail immediately withdrawn, it may not be followed by lameness; but when the wound is considerable, and particularly if the nail has been siderable, and particularly if the nail has been slightly pricked, and the tery be pressed moderately with the finger; but of the United States is here presented, which must be interesting to every person, on account of the unprecedented accumulation of her wealth and population. The American government exsuffered to remain, violent inflammation very soon blood it receives, and the impression or sensation ercises dominion over a country more extensive, tion. If the matter is not let out by paring away is expressed by hardness; when the swell of the any other nation upon earth. the horn, it quickly spreads under the horny sole, artery is more slow or soft, it denotes the contration. The Sun is four hours in it and upwards through the lainingted substance of the foot, and at length breaks out at the coronet, is more commonly named, a quick pulse, a strong Maine until it strikes the waters of the Pacific: it pulse, or a weak pulse, and a hard pulse or a soft is about four months in passing through the debeen pricked, is to enlarge the opening made by pulse. Fo this may be added the irregular or ingrees of latitude of the United States in her northbeen pricked, is to enlarge the opening made by purse. To this may be added the tregular of in-the nail in the horny part, and pare away a little termitting pulse, which of course indicates an ir-of the surrounding sole; some Friar's balsam or regularity in the contractions of the heart, and tincture of myrrh is then to be poured on it, and the horse should be suffered to stand in the stable, bour under any serious disorder. Those who wish calculate that one fifteenth part of it is cultivated. may be known by the heat of the foot and the themselves familiar with the state of the pulse, per acre, reckoning it at eighty million acres, it hay be known by the heat of the toot and the land the land the land they will learn amounts to eight hundred million dollars; and they will learn amounts to eight hundred million dollars; and they Should the lameness increase, it is probable that from experience, that it will enable them to judge unimproved land at three dollars per acre, will matter will form; the part is then to be again par better of the nature and probable event of a disamount to the sum of three thousand three hunseen, the opening must be farther enlarged so Purgatives.—These are more commonly known, that a probe may be introduced to ascertain in io farriery, by the name of Physic. The most what direction it has penetrated. As much of certain and effectual purgative for horses is aloes; the horny sole as has been separated from the but its effect when the sole for the sun of three thousand three hundred and sixty million dollars, which makes in the whole for the landed wealth four thousand one hundred and sixty million dollars. The live the horny sole as has been separated from the but its effect may be promoted and rendered more will, calculating the cattle at one hundred and sensitive sole by the matter is to be removed, and safe by the addition of other substances. The twenty million dollars, the horses at one hundred the diseased part washed with some astringent following formula is perhaps as good as any that million, and the sheep and hogs at eighty million lotion, such as a solution of white or blue vitriol, can be employed: or some tincture of myrrh or benzoin; digestive ointment spread on tow is then to be bound on, and the same dressing is to be repeated daily, until new horn is formed on the part. A more detailed account of this subject may be seen in the third volume of Veterinary Medicine, p. 151.

obstructions in the throat or gullet; or, by being are noticed under their respective names As to tended over the whole world; from the barren obstructions in the furbal or guilet; or, by being are induced under their respective hantes. As to tended over the whole world, from the barren forced into the stomach, to extricate confined air, the manner of hysicking horses as it is termed, coast of Labrador to New-Holland, the South Sea by which, in cattle, this organ is sometimes painit is only necessary to remark, that by giving the Islands, China, India, the continents of Africa and fully and dangerously distended. Dr. Monro first invented a particular instrument for the latter than the continents of the purgative, its operation will generally be to the isless in the Pacific, Cape Horn, and the purpose. Mr. Eager soon atter another, for which more safe and expeditious; that he should be al West-Indies. he was rewarded by the Society for the Encour-lowed only a moderate quantity of hay the night agement of Arts. The instrument used for bul-before the physic is given, and none the following locks is six feet long, this being the distance from morning until four or five hours after the medi-loans, exceed eight hundred millions of dollars; the fore teeth to the first stomach in a large ox. cine has been given; and during the whole it that invested in foreign and domestic trade, five

neck, in the course of the neck vein; it may be he is clothed when taken out, and not exposed to hundred and sixty millions of dollars. felt indeed in any superficial artery, but that first rain or a cold wind; nor should he be suffered to named is the best. The number of pulsations in stand still. If he purge sufficiently, the exercise millions, which, with the ratio of increase for the a given time may also be felt by pressing the hand need not be repeated. During this day also he on the left side near the elbow; but in this situa- must have warm bran mashes, a little water with the population will-be twenty millions. In 1867, arteries depends upon the blood which is thrown vol. i. p. 211 and 227. into them by the contraction of the left ventricle of the heart; the state of the pulse therefore may indicate the strength of the heart's contrac tions, the quantity of blood thrown out at each contraction, the number of contractions in a miand the strength of the action of the arteries. The numerous distinctions made by physicians with regard to the pulse need not be noticed in a Veterinary Dictionary. The principal circum stances to be attended to are, first its frequency. or the number of pulsations in a minute, which cattle than horses.

till many days after the injury has been received strong, the pulse is felt distinctly, though the arensues, which generally terminates in suppura-conveyed by the finger will be short, or that which and upwards through the laminated substance of ry state. Thus there may be a frequent, or as it without a shoe. If inflammation comes on, which to attend to the diseases of horses, should make Estimating then the improved land at ten dollars

onnce:

Soap, three or four drams; Oil of aniseed, half a dram; Ginger, one dram;

Syrup or treacle enough to form a ball.

makers, and in large towns by saddlers.

Pulse.—The beating of the arteries. The horse's pulse is most conveniently felt in that branch of the carotid artery which passes under the day; a mode- of two hundred millions.

About half an hour after taking the physic, a hundred millions, together with slaves, furniture, and implements of husbandry, will equal the sum of two hundred millions.

The produce of agriculture, manufactures, com-

Calomel is sometimes a useful addition to pur gatives, particularly when a horse-has worms, or where considerable purging is thought necessary. Many substances that are employed as purgatives

A review of the present resources and condition and one that will support more inhabitants than

The Sun is four hours in its passage from the time it first shines upon the Eastern shores of employed:—
Barbadoes aloes, from half an ounce to an lion dollars: two million of buildings, make, at four hundred dollars each, eight hundred million dollars. The whole of the exports of the United States are seventy-four million-of the imports, seventy seven million; tonnage in foreign and coas -ing trade, one million two hundred thousand dol-Probang.—An instrument used for removing The diseases in which purgatives are required lars. The commerce of the United States is ex-

Probangs are now commonly sold by instrument-should be given in a very small quantity at a time. hundred millions; which, with the former eight

the jaw bone, in the temporal artery about an summer temperature, or with the chill taken offinch and a half from the outer corner of the eye, The next morning the horse should have walking makes five hundred million; and in the whole and in the carotid artery at the lower part of the exercise to promnte the purging, taking care that amount of national wealth, eight thousand seven

past, will double in twenty-three years. In 1843, tion a judgment cannot so easily be formed of the chill off now and then, and a small quantity thirty-six millions. In 1890, seventy-two millions. several circumstances respecting the pulse which of hay. On the third day the purging usually There is now to every hundred acres of land, one it is necessary to know; that is, whether it be ceases; he must then return gradually to his for-person; and when the population amounts to sevhard or soft, small or full. The pulsation of the nicr mode of keeping. See Feterinary Medicine, enty-two millions, there will be twelve souls to every hundred, which will be just equal to the population of Massachusetts. - Vermont Aurora.

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Natural Curiosity .- The fish-pond at Logan in the human subject have little or no effect on or Nessock formed in 1800, and repeopled since nute or any given time, the regularity of its action the horse, even in large doses; among these are by many successive generations of cod, is neither jalap, bitter apple, rhubarb, and Glauber's salt. more nor less than an artificial basin of salt-water, The latter however, as well as Epsom salt, will 30 feet deep by 160 in circumference, reckoning cause purging, when given in large doses; com- from the top to the bottom of the rock. The area mon or table salt will also purge; but these sa- within is wholly hewn from the solid rock, and line purgatives are considered more useful for communicates with the sea by one of those fissures, or natural tunnels, so common on bold and

and the moment the fisherman crosses his thresh road, and assist in forming contracts for the work, hold, the pend is agitated by the action of some he is directed by the Board to attend when rehundred fins, and otherwise thrown in a state of quired. perfect anarchy and confusion. Darting from this. that, and the other corner, the whole population authorized by the act of last session, to the Roanmove, as if it were, to a common centre, elevate their snorts, lash their tails, and justle one anoth- declined receiving the subscription with the coner with such violence, that on a first view, they actually appear to be menacing an attack on the weldon's. The question will be laid before the poor fisherman. Many of the fishes are so tame meeting of the Stockholders next month, and that they will feed greedily from the hand, and there decided whether the proposed subscription bite your fingers into the bargain, if you are fool ish enough to let them; while others, again, are so shy, that the fisherman discourses of their different tempers, as a thing quite as palpable as the gills they breathe or the fins they move by. One gigantic cod, which seems to answer to the name Tom, and may be well described as the patriarch of the pond, very forcibly arrests attention. This unfortunate, who passed his youth in the open sea, was taken prisoner at the age of five, and has since sojourned at Port Nessock, for the long period of twelve years, during all which time he has gradually increased in bulk and ple at large 'weather-wisdom'-that is, of being weight. He is now, however, so wholly blind, from age or disease, that he has no chance what ever in the general scramble. The fishermen, however, are very kind to him, and it is really af fecting, as well as curious, to see the hage animal time immemorial, introduced into their annual raise himself in the water, and then resting his publications, the various kinds and changes of head on the flat stone, allow it to be gently patted or stroked, gaping all the while, to implore propriate to the various months, and weeks, and that food which he has no means of obtaining days of the year. And such implicit reliance has The flooks which live on worms and other insects, often been placed by many persons on these proshun the light, by burrowing in the sand at the phetic annunciations, particularly in the most ap-bottom, and never ascend to the top in quest of proved almanacs, that no small number of honest food. Salmon, which, at spawing-time, visit the and credulous individuals formerly governed themhighest rivers, could not, of course, obey their selves in their daily labours, by a strict attention instincts here; and, accordingly, there is only to the information of the state of the weather one specimen of this favourite fish in the pond at present. Still, however, he is one among a hundred for a state of the weather of the felt was almost the only one in use in the New deed, for as the felt was almost the only one in use in the New deed, for as the felt was almost the only one in use in the New deed. dred; for as the fisherman remarked, "he is far England Colonies. We ourselves knew one insoupler than ony o' the rest;" and, by virtue of stance, in which two brothers, who were about this one quality, chases, bites, and otherwise an- commencing the annual task of getting in their noys a whole battalion of gigantic cod, that have hay, but who dare not venture a step until they only, one would think, to open their mouths and had first examined the almanac, in order to asswallow him. To supply them with food is an certain whether or not the weather was likely to important part of the fisherman's duty; and with be propitious to their labours, resorted to that inthis view, he must ply the net, and heave the line fallible directory for information. It so happenduring two or three days of every week.

CALLED () CALLED INTERNAL IMPROVEMENTS.

this city on Monday last, present D. Cameron, the place where the court was to sit, was inter-John D. Hawkins, Thomas Turner and John Ow- larded 'thunder'-it being natural to expect thun vented from doing since the last meeting, owing ed to put off their having till the storm was over. to one of them being under repairs) it is expect-ed the Ship Channel will be rendered sufficient rious nature, and is entitled, from the highly resfor the passage of sea-vessels up to the town. The pectable names which are connected with it, to river between Wilmington and Favetteville, has more consideration. It is copied from the Chris logs and other obstructions, and every exertion an entire new set of rules for determining ques-

A Report was received from the Commission-

The Board has not yet made the subscription, oke Company, of \$25,000, the Directors having dition annexed of locking down from the Basin at shall be accepted or not.

The Board adjourned on Tuesday, to meet agreeably to the provisions of their charter, on the 3d Monday of November next.

0 0 FROM THE NEW-ENGLAND FARMER.

WEATHER WISDOM.

Almost all mankind are desirous, first or last, of attaining a good degree of that species of knowledge, which is commonly called among the peoable to prognosticate, by the help of various signs and symptoms, what kind of weather is approaching. In order to find employment for this disposition of mind, the almanac makers have from weather, that were generally considered as aped that the very day which they had selected to begin mowing, was that on which a court was to be held at Barnstable in Massachusetts; a fact that was also noted down, according to custom, in The Board for Internal Improvements met in the calander, and immediately after the name of

to our readers.

precipitous coasts. Fishes, hear as well as see; vices of Mr. Fulton being requested to lay off the provates the weather table attributed to Dr. Herschell, but which the son of that gentleman has recently disclaimed on the part of his late father. Dr. Clarke says that the accuracy of this table is truly amazing; and that if Dr. Herschell had lived for no other purpose than to construct it, posterity would-have reason to bless his memory.-Some of our meteorological readers may perhaps thank us for inserting this table, as arranged by Dr. Clarke."

Full Moon, or the Last Quarter, happens	ON.
Between Midnight and 2 \ Fair	100N. TIME OF CHANGE.
Fair	IN SUMMER.
Fair	IN WINTER.

Editorial Correspondence.

SALTED HAY,

Extract to the Editor, dated New-Brunswick, 9th October, 1824.

"Dear Sir,- One of your correspondents wants information respecting salted hay: my cows live on salted clover in the winter, and thrive better en, Esqrs. It appeared from the reports of Mr. der occasionally in the hot scason. Without obtain even on fresh grass in summer. I salt the Fuiten, that the work carrying on below Wil-serving that the two words had no connexion hay as it is thrown in the barrack or mow, at the mington, will be completed in a few weeks, and with each other, the simple soals read it 'Barnif he can obtain the use of one of the river steamboats to work the roller, (which he has been prethat was the worst kind of thunder, they concluding salt, is wasted by falling through the interstices of the hay until it finally is lost: it does not adhere so readily as fine salt; the expense is in favour of fine salt. I give my cattle, old and young, horses and cows, a double handful of fine river between Wilmington and Favetteville, has more consideration. It is copied from the Chris been already much improved, by the removal of tian Observer for July, 1824, and as it furnishes with fresh clover, I invariably sprinkle salt thro? each animal's mess, this prevents flatulency, which will be made to complete the work as soon as tions of this sort, we presume it will be amusing fresh clover always produce. In winter, as my clover is salted, I only give my cows salt once in a "Dr. Adam Clark has lately communicated to fortnight, and then only with change of food; I ers appointed to lay off the Hickory Nut Road, the public some meteorological observations, in even sprinkle my corn stalks with salt; animals in Rutherford County, informing the Board, that which he remarks: "From my carliest childhood are excessively fond of it, and I never knew they had accomplished their work, and contract- I was bred upon a little farm, and as I found that either cow or horse injured by a moderate use of ed for making the most difficult parts of the road, much of our success depended on a proper knowwhich contracts are to be completed by April ledge and management of the weather, I was led licks. I have heard that it is not proper to give to study it ever since I was eight years of age."— it to hogs; I cannot tell why, as they must neces-The stock having been fully subscribed for erecting a bridge over the dam at Milton, and the ser-traordinary success, as the result of which he ad-swill. I have a great many potatoes, and I wished

them boiled; I therefore chopped them up, sprink mare Slow-and-Easy-yellow and black dress. led salt through them, and gave to each cow; half peck, morning and evening; they are very fond of them; I take care, however, to let them have access to water; I have a running spring on my farm to which the cows can go at pleasure.— Count Piper, a three year old sorrel colt, out of Thus you see that I give salt to both horses and Alarshal Duroc, and Lance, a bay colt of the cows, and am encouraged to continue the prac-same age, out of Eclipse, which was won by the tice by the good health that they all enjoy .-When a layer of hay is thrown on the stack, mow, or barrack, my men sprinkle a part of the half the latter by Mr. Purdy. The first heat was run bashel on the layer, which layer is one fourth of in 8 minutes, 25½ seconds; which, considering that a ton; thus each layer has a fourth of a peck of the weights were 36 lbs. more than are carried by

Cayenne pepper is an article much used at our tables, and we always eat it in fear and trembling, for it is so often adulterated. I always raise enough for my own use; I leave the peppers on the bush until they are quite red, I then string the bush until they are quite red, I then string to that produced by the celebrated match race be-them and let them hang in a clean place until tween Eclipse and Heory. At starting, the bay they are quite dry; they are easily ground or pounded fine enough for use."

PREPARATION OF, SEED WHEAT.

TO THE EDITOR OF THE AMERICAN FARMER.

Sir,—As there is frequently a great difficulty in procuring good Seed Wheat, I am induced to trouble you with the following method, which I you not only relieve your seed from all light and defective grains, but purify it from all garlic, or or hogsheads, and cover them with sand. They vail most extensively where the vine is not only the seeds of any noxious weeds, which are lighter than the purest wheat.

Make a pickle of any coarse or refuse salt, sufficiently strong to bear an egg or potato, pour, gently, into it your wheat, and sieve off with a calander whatever may rise to the surface; then drain the wheat in baskets, and dry it with quick lime, plaster of paris, or ashes; the former I pre-fer. You may suffer the seed to remain in soak from 12 to 24 hours; I have had it to remain 48 vered from Tracy's Landing Inspection Warewithout any ill effects. The longer it remains in house during the quarter, commencing on the 5th Method of securing the BLOSSOMS OF FRUIT TREES. the brine the more you should sow to the acre, as the grains swell proportionably.
DAVID WILLIAMSON, Jr.

Baltimore County, 11th Oct. 1824.

-0-AMERICAN SURGERY.

For the first time in America, the operation of taking off the thigh at the hip joint, was yester day performed at the New-York Hospital by Valentine Mott, the Professor of Surgery in the College of Physicians and Surgeons. The patient was a boy of about twelve years of age, labouring under a case of necrosis, or decay of the thigh bone. The operation was completely successfuland was endured by the little patient with great fortitude. His symptoms since, have, as we are informed, been of the most favourable kind: and if he survive, as we hope he will, this great and livered from Queen Anne Warehouse, during the dangerous, but in his case unavoidable experiment, it will confer renewed honour on the already distinguished operator, and add to the renown of dred and twenty-four. the profession in this country.

0 The Races on the Union course commenced yesterday. Mr. Wynn's mare, Flirtilla took the purse of 500, no competitor having entered against her. How much was effected by this \$500 towards improving the breed of horses? The sweepstakes were won by Mr. Laird's colt, Count Piper, dis tancing two, and beating one competitor, two mile heats.

The following horses are entered for this day's purse of \$300-three mile heats :- Mr. Laird's this office. mare Modesty, rider's dress, yellow -Mr. Wynn's

to give some to my cows, but they did not like mare Vanity-red and yellow .- Mr. Jackson's

New York, Oct. 14.

Union Course.- A match race was yesterday day in October, 1824. run over this course for \$3000 a side, between former in two heats of tour miles each, both colts carrying 126 lbs.; the former rode by Mr. Laird, three year old colts, is an unprecedented performance. The second, in 9 minutes, 25 seconds. From the amount at issue, the reputation of the in this office. riders, and the circumstances of the race, very great interest was excited; indeed, inferior only colt was rather the favourite, although he had won a match race ten days previous—running two four mile heats, carrying 12 lbs, more than his proper weight.

-----To keep Potatoes from Sprouting.

Fill a basket with potatoes, dip them into a will remain in excellent preservation for a long

This method is particularly recommended to masters of vessels and others preparing sea stores

PUBLISHED IN THE AMERICAN FARMER, BY OR DER OF THE STATE.

A report of the tobacco inspected at and deliday of July, and ending on the fifth day of Oct. in the year eighteen hundred and twenty-four.

	Domestie growth.	Growth not of this state.	Re-in- spected.	Total.
Number in- spected.	112			112
Number de- livered.	98			98

JOHN H. TILLYARD, Inspector.

TREASURY OFFICE, ANNAPOLIS, Oct. 11, 1824. .True Copy from the original report on file in this office.

B. HARWOOD, Tr. W. S. Md.

A report of the tobacco inspected at and deending on the 7th day of October, eighteen hun-

	Domestie growth.	Growth not of this state.	Re-in- spected.	Total
Number in- spected.	814		1	814
Number de- livered.	814		1	814

HARWOOD & WATKINS, Inspectors.

B. HARWOOD, Tr. W. S. Md.

A report of the tobacco inspected at and delivered from Baltimore County Inspection Warehouse, during the quarter commencing on the 12th day of April, 1824, and ending the first Mon-

1		Domestic growth.	Growth not of this state.	Re-in- spected.	Total.
3,	Number in- spected.	27	153		180
, ,	Number de- livered.	4	93		97

JOSIAS STEVENSON, Inspector.

TRASURY OFFICE, ANNAPOLIS, Oct. 6, 1824. True Copy, from the original report on file

B. HARWOOD, Tr. W. S. Md.

THE CULTIVATION OF THE VINE.

The culture of the vine seems to have become a favorite pursuit with the agriculturists of the present day. There are perhaps not less than fifteen or twenty vineyards within as many miles of the Borough of York, Pennsylvania, and nearly all commenced within a year or two. Should this disposition increase, and as a consequence, the wine press be made to take the place of the dislarge cauldron of boiling water for the space of tillery, it will benefit the morals of the commutwo minutes—take them out, spread and dry them nity. Among what is called civilized nations, the vated. To encourage our vine-growers, let them turn their eyes to France. That country, though not the native land of the vine, has, at the present day, almost four millions of acres employed in its cultivation. The average production of these immense vineyards, is about one thousand millions of gallons; and the whole annual value of their vintage, about one hundred and twenty-five millions of dollars .- Recorder.

against destruction by late frosts.

Place, around the roots of the trees, banks of snow or ice .- The blossoms will be retarded, and thereby escape the late frosts, that are so destructive to our fruit trees in this climate.

CONTRACTOR (C) OFFICE AND ADDRESS. The Serpents in the Tower.

The public, we believe are not generally aware of the existence in the Royal Menagerie at the Tower of a very fine collection of that species of snake called the Boa Constrictor. We were induced to attend there on Monday last for the purpose of being witness to the mode in which these animals receive their sustenance, and to discover how far the description given by various authors of their manner of disposing of their prey tallies with what might actually occur under our own observation. The animal selected by the keeper quarter commencing on the 7th day of July, and for the purpose was the largest there, and measured, we believe, 10 feet in length, and 7 inches in diameter in its thickest part. Previous to receiving its prey, it appeared very lively, and peered about with its head in all directions, occasioning its body to assume those beautiful curvations of which the snake species are so capable, On perceiving the approach of the keeper with the rabbit destined for its meal, it withdrew all appearance of vigour and motion; but the moment the rabbit was placed in the cage, it seized its TREASURY OFFICE, Annapolis, Oct. 11, 1824. the eye could not keep pace with it, and by a si-True Copy from the original report on file in multaneous action of its body, it compressed its folds so tightly round that of the rabbit as to crush levery bone that was within its grasp. This rapid

ure of such an animal as a deer or an ox would gnarled grasp of the serpent on this occasion, our tering of the sun beams upon his purple scales brace it as an agreeable opportunity of seeing a spectacle. When the rabbit was motionless, the snake gradually loosened his folds, still retaining his hold by the head; and having fully ascertained the death of his victim, he proceeded to stretch the budy of the rabbit, which he very curiously performed, in drawing it by the head through a ring formed from the folds of his body; La Fayette. The heats were four miles, and it the straw, after passing through the machine, I this he repeated until the whole was a mass. Af was supposed from the manner in which the hor-found it well threshed. I think your machine the ter lubricating the head very much, but no other throat against his own body, and by a strong re traction and re-expansion of the muscles which lay at the back of the head; by degrees the ani mal disappeared, until nothing more was visible than a long lump in the snake's throat, which it PRICES OF COUNTRY PRODUCE—careful-impelled forward by the action of the muscles, by collected every Thursday, for the AMERICAN until it reached the middle of its body where it remained. Such is the mode of this animal's taking sustenance; and if we compare this account with those furnished by various writers, and particularly with that given by Dr. Macleod of the Alceste, we shall find them differ in nowise exto lubricate the whole of the body of its prey, white, per lb. 37½ cts.—Red, do. per hushel, \$4.75 which, however, may have arisen from the diminutive size of the object upon which it is fed; \$2.50—Herds grass, \$2—Herrings, No. 1, \$2—for the object upon which it is fed; cept in the circumstance of this snake's omitting for the ease with which the rabbit was gorged, was so great as to lead us to imagine that a dog thrice the size would experience very little difficulty in obtaining a temporary residence in this serpent's maw. There is also in this menageric one of the most beautiful specimens of that harmseen in this country, the variety and brilliancy of the sheep and free from tags—Coal, pit, foreign, cultivation of wheat of its utility—this machine, whose colours are such as to excite the highest 40 cts.—Virginia, do. 20 to 25—Susquehannah, do. with the power of one horse and four men to atadmiration in the visitors. This is a native of 6.50 to \$7—Lime, bushel, 30 to 33 cents. less reptile, the harlequin snake, that was ever Ceylon, and has been shown to his Majesty, who was likewise highly pleased with its beanty and crop from Prince Georges, 18 hhds sold at \$4 for vivacity.

THE FARMER.

BALTIMORE, FRIDAY, OCTOBER 22, 1824.

MEETING OF THE BOARD OF TRUSTEES.

The next meeting of the Board of Trustees of the Maryland Agricultural Society, for the Western Shore, will take place at Hayfields, the residence of Col. Nicholas Bosley on Wednes day next, the 27th of October. The near approach of the next Cattle Show, and the arrangements to be made preparatory thereto, make it indispensible that this meeting should be well attended at an early hour.

Cattle Show, for the Eastern Shore of Maryland, RY, which would be carefully put up for shiptakes place at Easton, on Thursday, the 18th day of next month. The steam-boat Maryland leave Baltimore on the preceding day, and arrives in

change was nervous to behold, and a vivid imagi-Igood season at Easton on the same evening, touchnation could not but picture to itself the fearful scene of crushing and struggling which the seiz practical farmers of the Western Shore of Maryland, and of Pennsylvania and Delaware, have, create by a larger animal of this species. That within our hearing, expressed their determinasuch scenes have occurred, and have likewise tion to attend; and we think it in some sort the been witnessed, we doubt not; but until we wit- duty of the members of the Society of the Westnessed the convulsive but ineffectual struggle ern Shore, to do themselves that pleasure, seeing of the unfortunate rabbit in the ravenous and that we have been repeatedly favoured, not only with the company, but with the co operation and conception reached no farther than the common active assistance of so many gentlemen from the belief attached to the relation of the tremendous Eastern Shore, with whom it is always agreeable belief attached to the relation of the tremendous Eastern Shore, with whom it is always agreeable it got out eleven bushels, as I am informed by my powers of this species of snake. To enable the and honorable to be associated. Besides the no-overseer, and others who were present. This snake to gorge his prey with the greater facility, velty, and, to practical farmers, the actual advant- machine requires less force to work it than any he was removed into the court-yard, when the glit- lage of attending this exhibition, many will emadded much to the interest and beauty of the country, in many respects, singular and beautiful.

CANTON RACES.

with much ease on Wednesday by Gen. Winn's inform you, that it has threshed an average of 70 ses came out, that Flirtilla could have distanced best now in use for such farmers as make small part, he proceeded to swallow the rabbit, which her antagonist the first heat. When the horses crops of wheat, it requiring less force to manage action he accelerated by pushing it down his were called for the second heat, it appeared that and less power to drive it than any other machine La Fayette was withdrawn, and Flirtilla galloped I have seen. The machines sent into Virginia by round the course and bore away the purse.

ly collected every Thursday, for the AMERICAN

Flour, Howard-St., \$5 a \$5 25-do. wharf, \$4 75 Wheat, red, 90 a 93—Lawler, do 93 a 95—best white, \$1 a \$1 08-Corn, white, 37 a 38 cts.-Yel low, do 38-Rye, 371-Oats, 18 a 20 ets.-Whis key, 28 cents-Apple Brandy, 25-Clover Seed,

Tobacco some sales since the last report—one seconds, and \$7\$ crop.

Fruit Trees—Grape Cuttings--AND THORN QUICKS.

As the best time for planting fruit trees is from now until the commencement of hard frost, should any person be desirous of supplying their farms with choice fruit, they will have an opportunity by calling at my Store, where they may be furnished with catalogues of fruit trees, from Joshua Pierce, near George-town, (D. C.) and Daniel by Smith, of Burlington, (N. J) the reputation of or

Be it remembered that the next Fair and SEEDS, and IMPLEMENTS OF HUSBANDment, or other orders, on the shortest notice.

> ROBT. SINCLAIR, Near Pratt-st.-wharf. tisements, &c.

Pope's Threshing Machine.

Free-hill, near Richmond, Sept. 24, 1824.

This is to certify, that one of Pope's natent threshing machines, (made in Washington) for threshing wheat, has this season threshed out my crop consisting of about twelve hundred bushels; and it will get out, with two mules, eighty bushels per day, it having done this for three days in succession from purple straw, above the ordinary growth, (3½ a 4½ feet long;) and when worked by the hand J. M. SELDEN. other I have seen.

Carles, on James River, (Va.) Sept. 24, 1824. Sir,-In answer to your enquiry, relative to the CANTON RACES.

performance of your Machine, made by S. V.

The purse of six hundred dollars was taken Merrick & Co., Philadelphia, for me, I have to S. V. Merrick & Co. were badly built-the horse wheel being too small, and the materials too slender to bear the pressure necessary to drive the machine. When these defects are remedied, I feel confident that your machine will succeed.

Very respectfully yours, WADE MOSBY, Jr.

Mr. Joseph Pope.

Copy of a letter to the Editor of the American Farmer.

New-Kent County, 27th Aug. 1824.

Sir,- Having been induced, from the various \$2.50—Herds grass, \$2—Herrings, No. 1, \$2— communications in your paper, and from the gen-No. 2, \$1.75—Hay, per ton, \$10—Leather, best eral reputation of Pope's patent threshing machine, Sole, 24 to 27 cts.—Feathers, live, per lb. 32 cts.— to purchase one, which I now have in operation on Cotton, Louisiana, 16 to 18 cts.—Georgia, Upland, my present crop of wheat, 1 deem it my duty, 15 to 17 cts.—Alabama, 13 to 15—New Wool, 30 from the usefulness and neatness of this machine to 35 cts.—Merino full blooded 35 to 40 cts.—3 do. in threshing the straw uncommonly clean, com-30 to 35 cts.- do. 25 to 28 cts.-Common, 20 to pared with other machines that I have seen for 25 cts .- 25 per cent. more when well washed on this purpose, to inform all those interested in the

As I consider an agricultural implement of this description, of more importance to the farming interest than any other, considering its cheapness, power and usefulness, will thank you to insert this in the American Farmer, as I feel assured all those who are disposed to furnish themselves with these machines will not be disappointed.

I am, Sir, respectfully yours,
J. M. DEL CAMPO.

CONTENTS OF THIS NUMBER.

An act of Incorporation of the Maryland Agricultural Society for the Western Shore-Treatise on Soils and Manure; by a practical Agriculturist, continued from our last-Extract Smith, of Burlington, (N. I) the reputation of whose Nurseries is satisfactorily known; and from which places trees will be well packed and forwarded in a few days notice.

On hand, as usual,

A general assortment of GARDEN & FIELD SEEDS, and IMPLEMENTS OF HUSBAND-RY, which would be carefully put up for shipment, or other orders, on the shortest notice.

Smith, of Burlington, (N. I) the reputation of daried agriculturist, continued from our last—Extract for the legisland of interest from a gentleman now in England, to his triend in Vurginia, dated Motkham, 10th.hdly, 1824—Planting Trees—On the construction of daries, Stables, &c.—Disease of Domes a Animals, and their cure—Statistical view of the United tates—Natural Curiosity—Internal Improvements—Weather Wisdom—Extract from the Editor's correspondence, dated New-Brunswick, 9th Oct. 1834—Preparation of Seed Wheat—American Surgery—New-York Races—To Reports—The Continuous of the United Seed Wheat—American Surgery—New-York Races—To the Vine—Method of securing the blossoms of Pruit Trees against destruction by interior from the Editor's correspondence of the United Seed Wheat—American Surgery—New-York Races—To the Vine—Method of securing the blossoms of Pruit Trees against destruction by interior from the Editor's correspondence of the United Seed Wheat—American Surgery—New-York Races—To the Vine—Method of securing the blossoms of Pruit Trees against destruction by interior from the Editor's correspondence of the United Seed Wheat—American Surgery—New-York Races—To the Vine—Method of securing the blossoms of Pruit Trees against destruction by interior from the Editor's correspondence of the United Seed Wheat—American Surgery—New-York Races—To the Seed Wheat—American Surg Fruit Trees against destruction by fate frosts-The Serpents n the Tower-Editor's remarks-Prices Current- Idver-

No. 33. Vol. 6.		Al	VI H	RICAN FARMER.—BA	LTIM	ORE,	U ₄	CTOBER 29, 1824.		249	9
TARIFF OF THE UNITED	ST.	ATE	s,	ARTICLES.		NEW (LD.	ARTICLES.		NEW C	OLD.
New and old, Alphabetically arran				Pan Pan in							
ly compared with the Law, by				Bars, Brass in —, Copper in	Free	I	ree	Carriages of all descriptions and parts thereof		30	
Custom-House, New-York.				Tin in	4.6		4.6	Cast Iron Vessels not otherwise	orct	30	30
Those articles marked in the Old Tariff with the letter o, sign	colur	nns oi	the d		1b.	2 1	[5pc	specified	16.	1 ½ 2	20pc
not enumerated in the Old Law;				Beer. See Ale. Berries, Vellow for Dying	to mak	101	~ 1	Castings of Iron, on all other not			
per cent. 4!				Black Glass Bottles. Sec Glass.	pret	125	1 2	specified Casts, specially imported, &c.	ree		20pc
ARTICLES.	-	NEW	OLD.	Blacking	16	15 0		Castor Oil	gall.	400	ree
	PER.	\$ cts	&cts	Black Lead Pencils	66	40 0		Cayenne Pepper	lh.	15 o	
ABYSYNTH, Oil of Acetite of Lead, or White Lead,		15	0	Blankets Blue or Roman Vitriol	1b.	25 4 c	15		ree		ree
dry or ground in oil	lb.	4	3	Bolting Cloths	pret	15 0		Chinese Cassia	lb.	9 6	9
Acid, Benzoic	pret		_	Bolts, Copper	Î 1b.	4.	4	Chocelate	66	4	3
Acorns	4.6	15	0	, Composition	***	4				2 50 2	
Adhesive Felt. See Felt.		25	20	Books, specially imported, &c. , all printed previous to the	Free	I	ree	Cinnamon Clayed White or Powdered Sugar	lb.	25 4	25
Alcornoque Bark	**	15		year 1775, and also on all books					ree		ree
Ale, Beer, and Porter, imported in				printed in other languages than				Cloth rags of any kind	44	•	41
bottles	gall.	20	15			4.0		Cloth. See Wool. Cloves	11.	0."	
Ale, Beer, and Porter, imported otherwise than in bottles	46	15	10	—, Latin or Greek, when bound —, Latin or Greek, when not bd		15 o		Coach Laces of cotton or other	lb.	25	25
Almonds	16.	3	3	-, on all other when bound	44	30 o		materials p	rct	35	25
Almond Paste	pret		15	, do. when in sheets or boards		26 0			ս'և	6	5
Almond Oil Alum	ant	2 50	2.00	Boots or Bootees, laced Botany, specimens in	pair Free				rct		71
Ambergris	pret			Brandy, 1st and 2d proof	gall.	38		Coffee	lb.	2 5	2 5
Ammonia, Salts of, and Volatile	• "		0 '	, 3d do.	46	42			ree		ree
Ammonia, Gum	14	15		Brandy Fruits that is fruits are	**	48	48	Coins sabinate of specially in	44		44
Anatomical Preparations Angelica Root	pret			Brandy Fruits, that is fruits pre- served in	pret	30	30	Coins, cabinets of, specially imported, &c.	46		66
Angora Goats' Wool or Hair	Free			Brass, manufactures of, not other-				Collections of antiquities, do.	44		66
Animals imported for breed	Free		Free	wise specified, or of which brass				Combs, ivory, shell, or horn p	rct	15	15
Annatto	prct	121		is a component material	THOO.	25		Comfits of all descriptions preserved in sugar or brends	66	0.0	-
Anniseeds Antimony, Regulus of	Free	15		, in pigs, bars, or plates , old fit only to be manufact'd.	Free	r		ed in sugar or brandy Composition rods, bolts, spikes, or	· ·	30	30
Antique Oil	prct		0	Braziers' Rods. See Iron.			- 1	nails	lb.	4	4
Antiquities, all collections of, spe-				Brazil Wood	*64		"	a spiral and a state of the state of	66 -	4	4.
cially imported, &c.*	Free			Brazilletto Breed, Animals imported for	66		66	, all vessels of, manufactures of, not other-	rct	35	25
Anthos, Oil of Anvils and Anchors	prct	30		Bricks	pret	15 0	ļ	wise specified	46	25	25
Apparatus, philosophical, special-				Bridles	* "	30	30	, Sulphate of	44	121	7 j
 ly imported by order and for the 				Brimstone or Sulphur	Free	F		, imported in any shape for			
use of any society incorporated for philosophical or other purpo-				Bristles Bristol Stones	lb. prct	3 124	71	the use of the mint , in pigs, bars, or plates, suit-	ree	F	ree
ses, or for the encouragement of				Brown Sugar	lb.	3	3	ed to the sheathing of ships	46		56
the fine arts, or by order and for				Brushes	prct	30		, old, fit only to be re-man'd			46
the use of any seminary, school, or college of learning			L. WOO	Brussels Lace . Bullion	Free	121		Copperas Cordage, yarns, twine, pack thread	wt. 2	00 1	00
Apparel, wearing, and other per-	Free			Burlaps	pret	15 o			lb.	5	v4.
	Free	1	Free	Burr Stones, unwrought	Free	F	ree	Corks	44	12 13	5pc
Aqua Fortis	prct		7 1	Busts, specially imported, &c.	11-			Cork tree, bark of, unmanufact'd. F	ree	F	ree
Arabic, Gum Articles all not free, and not sub-		121	7 2	Butter Button Moulds	lb. pret	20			rct lb.	30 3	30
ject to any other rate of duty	44	15	15	CABINET WARES	46	30		n . •	lyd	3 20	
Articles, all composed wholly or				Cabinets of Coins	Free	F		manufactures of, or which	•		
chielly of gold, silver, pearl, and	66	12 1		Cables & Chains of Iron. See Iron. Cables and Cordage, tarred	lb.	4	3	Provided that all cotten cloths	rct	25	25
Articles all imported for the use		147	, 3	Caliminaris Lapis	Free		ree	whatsoever, or cloths of which			
of the United States	Free		Free	Camphor, Crude	lb.	8 1	5pc	cotton shall be a component ma-			
Artificial Flowers	pret			Cum wood	Eroo	12 1		terial, excepting nankeens im-			
BACON Baggage, personal, in actual use	lb.			Camwood Candles, Tallow	free lb.	5 F	ree	ported directly from China, the original cost of which at the			
Baizes	pret	30		————, Spermaceti	"	8	6	place whence imported, with the			
, until the 30th day of June,				Candy, Sugar	**	12	12	addition of 20 per centum, if im-			
1825, & after that time a duty of	44	33 3		Canes Capers	pret	30 30	30	ported from the Cape of Good			
Balsams Bark of cork tree, unmanufactured	Free	30		Caps for Women	46	30	30	of 10 per centum if imported			
Barilla_	46		44	Cards, playing	p.pk	30	30	from any other place, shall be			
Bars of Lead	lb.	2	1	Carpets and Carpeting, Brussels,		50.0	500	less than 30 cents per square yd.			
Bars or Bolts of Iron, not manufac- tured by rolling	cwt.	90	75	Turkey, and Wilton Venetian and Ingrain	sqyd	50 2 25 2		and deemed to have cost 30 cts.			
- Linear by Tolling		20	10	, on all other kinds of wool,		20 2	71,0	per square yard, and shall be			
* N. B. In all cases where the ar-				flax, hemp, or cotton, or parts of				charged with duty accordingly			
ticles are stated as "specially im-				either = Carpeting of Oil Cloth	pret		5pc 36	Cotton, manufact's of, or of which			
ported," they are governed by the conditions and restrictions express-				Carpeting of Oil Cloth On all other Carpets and Carpe-		30	30	imported from ports or places			
ed under the head "apparatus phil-				ting, Mats & floor cloths made of				eastward of the Cape of Good			
osothical."				tow, flags, or any other material	46	30 o	- {	Hope, or beyond Cape Horn, be-			
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290				AMEMICAN FAIN	THE RESERVE	Le .		Loca	JUCI 2.	9, 1024.
ARTICLES.	100 3000	NEW	OLD	ARTICLES.		NEW (•		NEW OLD.
fore the first of January next en-	PER	≝ets]	DCIS	Flannels	PER prct	% ets ∦	25	Hangings, that is Paper Hangings	PER	*-cts \$ ets 40 30
suing, he original cost of which,				After the 30th June, 1825	144	333	~	Hare's Hair	Free	Free
at the place whence imported				Flax, on all manufactures of, not				Harness	pret	30 30
with the addition of 20 per cent. shall be less than 25 cents per				specified, or of which flax shall be a component part	"	25	15	Harps Hats or Bonnets, on all Leghorn		30 30
square yard, shall be taken and				, on all manufactures of, no	t			and all hats or bonnets, of straw		
deemed to have cost 25 cents				specified, or of which flax shal				chip, or grass, and on all flats		
per square yard, and shall be charged with duty accordingly.				from ports or places to the east				braids, or plaits for making o	£	50 50
Yain, Twist, or Thread, un-				ward of the Cape of Good Hope	,			Provided, that all Leghorn hats	3	50 50
bleached or uncoloured	prct	25	25	or beyond Cape Horn, before the	9 "	10.		and bonnets, and all hats or bon		
All mibleached and uncoloured cotton yarn, twist, or thread, the				first of January next Flour, Wheat	ewt.	15 o 50 o	,	nets of straw, chip, or grass which at the place whence im-		
original cost of which shall be				Flowers, Artilicial	pret		T	ported, with the addition of 10		
less than 60 cents per pound,				Frames or sticks for Umbrellas of	r	9.0	20	per centum, shall have cost less		
shall be deemed and taken to have cost 60 cents per pound,				Parasols Fur Hats or Caps	"	30 30	30	than one dollar each, shall with such addition be taken and deem		
and shall be charged with duty				Furs of all kinds, undressed	Free		ree	ed to have cost one dollar each		
accordingly.				Fustic	96	10.	**	and shall be charged with duty		
Yarn, Twist, or Thread, bleached or coloured	pret	25	25	GALBANUM GUM Galls, Nut	pret	15 o 12½		aceordingly. Hats, Fur	prct	Š0 50.
All bleached or coloured cotton		~0	20	Gamboge Gum	. 16	15		, Leather	Proc	30 30
yarn, twist or thread, the origi-				Garden Seeds		15		Head Dresses, ornaments for		30 30
nal cost of which shall be less than 75 cents per pound, shall				Garnets, (a precious stone) Gems, specially imported, &c.	Free	121		Hemp ——, on all manufactures of, no		S5 ₀ 30 0
be deemed and taken to have				Ginger	lb	20		specified, or of which hemp shall		
eost 75 cents per pound, and				Ginseng	pret	15 o		be a component part	pret	25 20
shall be charged with duty accordingly.				Glass, Window, not above 8 inches by 10 in size	,] =	3 00 2	50	specified, or of which hemoshall		
Crude or Red Tar	prct	$12\frac{1}{2}$	71	not above 10 by 12	> ×	3 50 2 4 00 3	75	be a component part, imported		
Crystals, that is watch crystals	6.6	1 2 1/2	7 1/2	if above 10 by 12		4 00 3	25			
Cudbear Curcuma	66	$12\frac{1}{2}$ $12\frac{1}{2}$	7호 7호	Provided, that all window glass imported in plates uncut, shall				yond Cape of Good Hope, or beg		
Currants	lb.	3	3	be chargeable with the highest				of January next.	pret	25
Cut Glass. See Glass.				rate of duties hereby imposed				——— Seed Oil	gall.	25 0
Cutting Knives DATES	prct	30 15 d		Glass, black bottles not exceeding the capacity of 1 quart		2 00 1	44	Hides of all kinds in the hair or un manufactured, whether dry salt-		\
and the second s	each		20pc	On bottles exceeding 1 quart		2 00 1	77	ed or pickled	Free	Free
Dice, ivory or bone	prct	15	15	and not more than 2 quarts	**	2 50		, Tanned	pret	30 30
Dragon's Blood Drawings, specially imported, &c.	Free	15 (rree	Over 2 quarts and not exceeding 1 gallon		3 00		Hones Honey	"	15 ₀ 15 15
, not specially imported		15		, apothecaries vials of the ca-				Hops	**	15 15
Drugs, dying, not subject to other				pacity of 4 ounces or less		1 00		Horns, Ox	66	15 15
rates of duty Duck Sail	46	12 <u>1</u> 15	$7\frac{1}{2}$	On the same above 4 ounces and not exceeding 8 ounces		1 25		IMPLEMENTS of trade of per- sons arriving in the United States		Free
Dutch Pink	**	15 6	,	, cut, on all wares of, not spe-				Indigo	15.	15 15
	Free		Free			90		Ink	prct	- 15 o
EARTHENWARE Elephant's Teeth	pret	20 15 d	20	addition thereto a duty of, on all other articles of, 2	pret	30		Instruments, specially imp'd, &c. Inventions, that is, models of ma-		Free
Embroidery done with a needle and				cents per pound, and in addition			1	chinery and other inventions	**	46
with thread of gold or silver	46	121	7 1	thereto a duty of	71.	20		Ingrain Carpets or Carpeting	sdlag	25 25pc.
Emery Engravings, specially imp'd, &c.	Free	15 0		Glauber Salts Gloves, cotten	lb. pret	25	25)	Iron, on all manufactures of, not otherwise specified, or of which		
Epaulets and Wings, a kind of		•		———, leather		30	30	iron is a component material	prct	25 20
med f com a	prct			, linen or flax	"	25	15	Iron, in bars or bolts, not manufac-		
Epsom Salts Essences, Bergamot	lb. prct	30 d		——, silk. See Silk. ——, wool. See Wool.				tured in whole or in part by roll- ing	ewt	90 75
, Lemon	* **	30 0		Glue	lb.	5	5	, round or brazier's rods, of 3		
Lavender	"	30 0		Gunpowder Gold Lace	pret	8 12 1	8	sixteenths to eight-sixteenths of		
, Roses, Otto of Roses	"	30 a	- 1	Watches	Pict	121	$\frac{7\frac{1}{2}}{7\frac{1}{2}}$	 an inch diameter, inclusive, and on iron in nail or spike rods slit, 		
, Rosemary	44	30 0		- articles composed wholly or				and on iron in sheets, and hoop		
Thyme	66	30 0		chiefly of gold, silver, pearls, and	66	101	71	iron; and on iron slit or rolled,	16.	3
used as perfuores	"	30 a	- 4	precious stones Coin	Free	12 <u>1</u> F	7⅓ ree	for band iron or easement rods Spikes	**	4 3
Essences not used as perfumes	16	15 0	- 1	Gum Arabic		123	74	Nails, cut or wrought	66	5 4
Etching or engraving, specially	FREE			—— Senegal	ENOC	121		Tacks, Brads, and Sprigs, not exceeding 16 oz. to the thousand	M	5 5
the analysis	Free prct	30	So	HAIR, Angora goats or camels —, Horse or any other not enu-	Free	Je'i	160	exceeding 16 oz. to the thousand		5 5 5 4
F athers	""	30	30	merated, and which may not pass				Iron or Steel Wire, not exceeding		
Felt, adhesive, for covering ship	Kuco			as "undressed furs used entire-		15 .		No. 18 over No. 18	. 66	5 5 9 9
bottoms, until the 30th June, 1826 Figs	lb.	3		ly in the manufacture of Hats." —, cloth	pret	15 o 30 o		on square wire used in the manu-		9 9
Fire Arms, except muskets & rifles	pret	30	20	, seating	"	30 0		facture of stretch'rs for umbrellas	prct	12 20
Fish, foreign caught	quin :	1 00 1	00	Halbluken og Ruglene	6 E	15 0		- Cables or Chains, or parts		
, Mackerel , Salmon				Halblaken or Burlaps Hams and other Bacon	lb.	15 o 3 13	5pc	thereof, and no drawback shall be allowed on the exportation of		
, all other pickled				Hammers and Sledges, Bl'ksmiths'		21 20			1b.	3 201€
							6			

No. 32.				79 41	AMERICAN FA	Lital	ERO				251
AR	TICLES.		NEW	OLD	ARTICLES.	******	NEW O	LD	ARTICLES.		NEW OLD
2110	1101111111	- PER	- made			- PER				PER	
- Mill Cra	inks and mill irons o		(p) - 10	ω,	See that material.	- 2 272	%) C45 %)		not otherwise enumerated	prct	
wrought		1b.	4	20pc	Maps, specially imported, &c.	Free	F	ree	Do. Absynth or Wormwood, Al-		
	of, weighing 25 lbs or			-	Do. not specially imported	prct	15 0		monds, Amber, Animal, Anni-		
upwards	, , ,	prct	30	20	Marble, and all manufactures o	f			seed, Cassia, Cocoa-nuts, Caje	-	
, Screws	of, for wood, called				Marble	66	30 0		put, Cinnamon, Cloves, Fennel	,	
wood screws		46	30	20	Marmelade, if preserved in sugar	,			Juniper, Mace, Macassar, Minth		
, Vessels	of east, not otherwise				as is usual	. 66	30 0		or Mint, Nutmegs, Nuts, Pop-		
specified		16.	13	20	Materials for composing dyes, no				pies, Savin, and all essential oil		
	her castings of, not	66	_	20	subject to other rates of duty	66	$12\frac{1}{2}$	73	not used principally as perfumes		**
specified		46	1	20	Mathematical instruments, speci				and not otherwise enumerated		,15 0
Ivory		66	15		ally imported	Free	. 1 61	ree	Do. of Anthos, or Rosemary, Ber-		
Black	WADES of all him h		15		Do. not specially imported		0.5	20	gamot, Carui or Caraway, Jas-		
	WARES of all kinds	s pret				prct	$\frac{25}{12\frac{1}{2}}$	7 5	mine, Lavender, Lemon, Sweet		
Jalap	of	44	15 34		Do. if gold or silver	66	15 0	1,3	Margorum, Orange Origanum or		
Jasamine, Oil Jewelry	01	64	125	7 3	Do. if ivory or bone	66	30	30	Thyme, Roses or Otto of Roses, and all other essential oils used		
KINGS YELI	OW	4.4	10		Do. if wood Mats made of tow, flags, or any	r	30	00	principally as perfumes	do,	30 0
Knives, cutting		66		20		66	30	30	Old Iron	do.	15 0
LAC DYE	P.	44	3 12 ³		Medicinal Preparations of anat'my	, 66	150		Do. Brass, Copper, or Pewter, fit		20 0
Lace, gold or	silver	66	123	7 1/2	Do. not other wise enumerated		15 0	j	only to be remanufactured	Free	Free
	footton or other ma-			. 3	Mercury or Quicksilver. and al				Olive Oil, in casks	gall.	
terial	rootton or other ma	66	25	25	preparations of it	65	15 0		Do. do. for salad, say in bottles		
, all othe	r.	64	124	74	Milk of Roses	44	30 0		or flasks	pret	30 30
Laced boots or		pair		1 50	Millinery of all sorts, (except such	1			Olives	do.	30 30
Lake Paints		pret	15		as is coumerated under the head				Opium	do.	15 0
Lampblack		44	15		of hats.)	66	30		Orange, Oil of, or Essence of	do.	30 0
Lanthorn Leav	ves or horn Plates	4.6	15	0	Mock Pearls	64	150		Oranges	do.	15 0
Lapis Calimina		Free		Frec	Models of machinery and other	•			Orange Peel	do.	15 0
Infernali		prct	15		inventions	Free			Organs	do.	3 0 3 0
Lard		lb.	3	0	Molasses	gall.	5	5	Ornaments for Head Dresses	do.	30 30
Lavender, Oil	of, and Essence of,				Morocco Skins	prct	30	30	Do. Brass, Iron, Steel, Pla-		
double and s	ingle distilled	prct	30		Mother of Pearl	66	15 0	- 1	ted, or washed	do.	25 20
Lavender, dry	flower of	4.6	15	0	Mother of Pearl Buttons	66	20 0		Osnaburgs	do.	1 5 o
	nanufactures of, not				Moulds, that is, Button Moulds	6.6	20	20	Ostrich Plumes and Feathers, ma-		
otherwise sp	ecified, or of which				Musical Instruments, principally	•		_	nufactured or not	do.	30 0
lead is a com	ponent material	66	25	20	of wood	6.6	30		Otto of Roses	do.	30 0
——, in pigs, b	ars, or sheets	Ip.	2	1	N. B. This includes organs, pi-				PACK THREAD	lb.	5 4
——, Shot		4.6	3 🛊	2,	ano fortes, and harps				Paint Brushes	pret	30 30
, Red, dry	or ground in oil	66	4	3	Musk	**	15 0		Painted Floor Cloths	do.	30 30
	ry or ground in oil		4		Muscatel Raisins	lh.	4 ~0.00	3	Paintings, specially imported, &c.	Free	Free
	that is, black lead	prct	40		Muskets		1 50 20	pel	Do. not specially imported	prec	15 0
Leaf gold		6.6	15		Mustard	prc lb.	30	36	Paints, not enumerated, and not		
, silver	II manufactures of		$12\frac{1}{2}$	12	NAILS, Copper or Composition	10.	4 5	4	used principally as dying drugs	do.	15 0
	all manufactures of				Do. Iron cut or wrought Do. Zinc		15 0	*	or materials	ao.	,13 0
	of which leather is of chief value	44	30	30		prct	13 0	- 1	Do, not enumerated, & mainly used as dying drugs or materials	do	121 74
Lees, that is, v		44	121	71/2	Do. ornamental, that is, Brass, with gilt or polished heads	46	25	20	Palm Oil	pret	15 0
Leghorn Hats.			1~2		Nankeens, imported directly from				Paper, Folio and Quarto Post Pa-	_	
Lemons and L		66	15 (China	66	25	25	per of all kinds	lb.	20 30pc
Lemon, Oil of		46	. 30		Natural History, specimens of	Free	Fr	ee .	, Foolscap, and all Drawing		
 Lime	or gasseries or	66	15 (. 1	Needles	prct	25	20	and Writing Paper	do.	17 30pc
Limes and Lim	e Juice	4.6	15 6			Free	Fre		, Printing, Copperplate, and		
Linseed Oil		gall.	25 0) }	Nitre, not refined	prct		7 1	Stainer's Paper	do.	10 30pc
	iquors or Cordials	٠.,	38	38	Noycau, (a liquor)	gall.	- 0	35].	, Sheathing Paper, Binders'		
	te, Root, or Juice	prct	15 0	,	Nutgalls	pret	124 7	급	and box boards and Wrapping		
Logwood	•	Free	I	ree	Nutmegs	lb.		50	Paper of all kinds	do.	3 30pc
Lump Sugar		lb.	10	10	Nut Oil	prct	15 o	-	, on all other paper	do.	15 30pc
MACARONI		prct	15 0		Nuts, Cocoa, or any other nuts not				***************************************	prct	40 30
Mace			1 00 1		enumerated, and not used prin-				Snuff boxes, &c.	do.	15 o
Mace, Oil of		prct	15 0	- 1	cipally in dying	16	15 0	1	Parasols, of whatever materials	4-	20 00
Macassar Oil		64	15 0	1	01420	bush	10 0		made	do.	30 30
	it is, models of ma-			- 1	Ochre, dry	16.	1		Sticks or Frames for Umbrel-	a -	50 50
		Free	101	ree	Do. ground in Oil	46		-	las or Parasols	do.	20 30
Madder and Ma		prct		(2)		pret	30 0			pret	30 30
	arbonate of Mag.	41	20	20	Oil Cloth, Carpeting, and on Oil	do	20 0		Paris White	lb. wet	1 1 1 1 1 7 4
Mallets, wood		66	30	30	_ Crosses or over a measure person	do.			trace of the contract of the c	4 .	$12\frac{1}{2}$ $7\frac{1}{2}$ $7\frac{1}{2}$
Malt .		66	15 0	1.	Oil Stone	do.	15 0		date Work	do.	150
Manganese		66	15 0		Do. Sallad	do.			accine Terrow	do.	15 o
Manna Manufactured	Tolongo othersh		13 (1	Do. Castor	do.	40 o 25 o		Pearl, that is, Mother of Pearl But-	20.	10 0
	Tobacco, other than	lb.	10	10	Do, Hemp Seed	do.	25 o	-	, that is, Mother of Pearl But-	do.	200
snuff and eig			10		Do. Linseed	do.	25 o	1	tons Papels of all kinds set or not set		
	of the United States	Free	1	ree	Do. Rape Seed	lb.	30	1	Pearls of all kinds, set or not set, and all articles composed wholly		
and its territ					Do. Vitriol	gall.		5	or chiefly of Pearls	do.	121 71
	of brass, copper, iron					0	20 7		, Mock Pearls, (in imitation of		
otherwise sp	r, lead, or tin, not	prct	25	20	Do. Whale, and other oil, (not sperm.) of facign fisheries	do.	15		real Pearls)	do.	15 0
	of cotton, flax, hemp,	•		4.	Do. Olive, in casks	do.		25 1	Pencils, that is, Camel's Hair	do.	150
	any other material.				Do. used principally in dying and				, that is, Black Lead	do.	40 0
, 502, 52				1	area frinospanj in ajing and			•			

	252 AMERICAN FARMER. [October 29, 1824.									
	ARTICLES.		EW OLD.	ARTICLES.		NEW OLD.	ARTICLES.		IEW OI	
	Pepper	lb.	8 3	of all kinds not enumerated, and			Scammony Gum	pret	15 0	000
	,,	do. orct	15 o 30 30	Rags of any kind of cloth	pret free	15 o free	Screws, of Iron weighing 25 lbs.		20	0.6
	Perfumes Persons arriving in the U. Statcs,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	30 30	Raisins, in boxes	lb.		or upwards , that is, Wood Screws	do.		20 30
	their baggage, that is, their wear-			—, in jars	do.	4 3	Screw Wrenches	do.		20
	ing apparel, in actual use, and			—, Muscatel	do.	4 3	Sculpture, Specimens of, specially	£		
	their tools and implements of trade	Free	Free	Rakes, Iron or Steel	do. prct	3 2 25 20		free prct	30 fr	ee 20
	Peruvian Bark	prct	15 0	Ratafie, (a liquor)	gall.	38 38	Seeds, Cardamon	do.	15 o	20
	Pewter, old, fit only to be re-ma-			Rattans	free		—, Garden	do.	15 0	
	nufactured, Manufactures of, or of which	Free		Raw Skins, that is, undressed Rape Seed Oil	do. gall.		—, Caraway Seines	do. lb.	15 o 5	4:
	Pewter is a component material	prct	25 20	Razor Cases, leather or wood	pret			prct	15 o	
	Philosophical Apparatus, specially			—, paper	do.	15 0	Senegal Gum		124	7位
	imported, &c. , not specially imported, pays	Free	Free	Razors Razor Straps, leather or wood	do. do.		Seneca Radix or Root Sextants, when of brass	do.	15 o 25	20
	a duty according to the materi-			Red Chalk, (not Spanish Brown)	_		, when of wood	do.		30
1	als it is composed of	n mak	90 90	Lead, dry or ground in Oil	lb.		Shears	do.	25	20
		do.	30 30 30 30	Tartar, or Crude Tartar, or Wine Lees	r pret	121 71	Sheating Copper, that is, in sheets of 14 by 48, weighing 14 to 34			
	Pigs of Brass or Copper	Free	Free	Venetian, dry	do.	15 0		free		ee
		lb.		ground in Oil	do.	15 0	Sheathing Paper	lb.	3 30	
		rree lb.		— Wood and Red Sanders Wood Reaping Hooks	pret	50 20	Sheet Iron — Lead	do.	3 3	2½ 1
	Pin Cases or Needle Cases of Ivo-			Reeds	free	0	Shells, Cocoa	pret	15 0	
	ry, Bone, Paper, Mother of Pearl	nnet	1.0	Regulus of Antimony	do.		, for Ornament	do.	15 0	
		do.	15 0 30 30	Rhubarb Ribbons. See Silks.	prct	15 0	Shoes, for children —, for grown persons, of Silk	pair do.	15 30	1 <i>5</i> 30
	Pine Apples	do.	15 0	Rifles	ea'h	2 50 20pc	—, do. do of Leather	_	25	25
	Pink, Dutch	do.	15 0	Rice	prct	15 o	—, or Slippers, of Prunell stuff	do.	25	
	Pins Rose	do.	15 o 25 20	Rochelle Salts, medicinal Rocoa	do. do.	15 0	Shoes, or Slippers, of Prunell or nankeen	pair	25	
	Pipes, that is, Tobacco Pipes	do.	20 20	Rods, of Copper or Composition	lb.	4 4	Shot, Leaden	lb.	23 S ⅓	2
	Plats of Straw for Hats or Bonnets		50 30	, Braziers. See Iron.		4 1 5	Shovels and Spades, of iron or steel		30	20
	Plants Plaster Statues, Busts, Castings,	Free	Free	Roman Vitriol —— Cement	do. pret	4 15pc 15 o	Shumac Sickles	do.	15 o S0	20
	and Ornaments, specially im-			Roots, Seneca and other roots, no	t		Side Arms	do.	30	20
	ported Plaster of Paris	do.	do,	enumerated, and not used prin	-	15 .	Silk Hats or Caps	do.	30	30
		prct	do. 25 20	cipally for dying Rose Pink	do.	15 o 15 o	Silk, on all manufactures of, or of which silk shall be a component			
	Plates, Copper, suitable to the	•		Roses, Otto of	dn.	30 o	material, coming from beyond			
	sheathing of ships, that is, 14 to	Free	frac	Rosemary, Oil of	do.	30 o	the Cape of Good Hope	do.	25 o	
	The state of the s	pret	15 0	Rotten Stone Rouge	do. do.	15 o 30 o	Silk, on all other manufactures of Silk, or of which silk shall be a			
	Playing Cards	pa'k	30 30	Rubies	do.	$12\frac{1}{2}$ $7\frac{1}{2}$	component material	do.	20 о	
	Plums Plumes, ornamental, whether ma-	lb.	4	Rules, of Wood	do.	30 30 38 38				
	nufactured or not	prct	30 3	Rum, 1st and 2d proof , 3d proof	gall.	38 38 42 42				
	Pocket Books	do.	30 3	/ , 4th do.	do.	48 48	places eastward of the Cape of	f		
	Pomatum Poppy Oil	do. do.	30 o 15 o	SADDLERY, plated or not Saddles	prct	25 30 30	Good Hope, or beyond Cape			
	Porcelain	do.		Safflower	do.	$12\frac{1}{2}$ $7\frac{1}{2}$	Horn, before the first of Janua- ry, 1825	do.	15 o	
	Pork	lķ.		Saffron	do.	121 71	Silver Coin	free		ree
	Porter. Sec Alé.	bus.	100	Sago Sail, Duck	do. do.	15 o 15 o	Silver Leaf	do.	12½ 15 o	$7\frac{1}{2}$
	Powder, Hair	prct	15 0	Salmon, Pickled or Dry salted			Silver, Nitrate of Silver Plated Saddlery	prct	25	25 /
	, Gunpowder ·	lb.	8	, Smoked	Clbs	1 00 0	Silver, Quick	do.	1 5 o	
	Precious Stones of all kinds, and	prct	15 0	Sarsaparilla Salt	pret 56 lb	15 o 20 20	Silver Watches, Silver Lace, and all articles composed wholly or	C		
	all articles composed wholly or			—, Glauber	lb.	20 20	chiefly of Gold, Silver Pearls and			
	chiefly of precious stones	prct	$12\frac{1}{2}$ 7	Epsom	do.	40	Precious Stones	do.	$12\frac{1}{2}$	75
	Preparations, Anatomical Chemical, not enumerated	pret	15 o	Salt Petre, Refined, not refined	do. pret	37 <u>3</u> pc 12½ 7½	Skates Skins of all kinds in the hair, raw	do.	25	20
	Preserves, that is, comfits or sweet-		10 1	Sandara, or Sandarac Gum	do.	15 0	or unmanufactured, dryed, salt-			
	meats preserved in sugar or	•	80 0	Sanders Wood	free	free	ed or pickled	free	f	rce
	Printing Types	do. do.	30 3 20 2	O Sand Stone O Sardines, as usually imported i	prct	15 0	Skins of all kinds, tanned, includ-	- prct	30	30
	Produce of the growth of manufac-	•	~ ~	kegs	do.	30 0	ing morocco Slates for building	do.	25 0	
	ture or fisheries of the U. States	S	£.,	Sarsaparilla	do.	15 o	Slate Pencils	do.	15 0	
	or its territories Prunell and other Shoes or Slip-	Free -	fre	LOGO METEROLO	do.	15 o 15 o	Slippers for children Slippers for grown persons, made	pair e	15	15
	pers of stuff or nankeen	pair	25 201	Sausages Savin, Oil of	do.	15 0	of leather	do.	25	25
	Prunes Prussian Blue	lb.	4	Saws, Mill	ea'h	0 = 121	Do. do. do. of silk		30	30
	Prussian Blue QUASSIA WOOD	prct do.	20 2 15 o	, all other Scales, Gunter, and others, wood	pret I do.	25 20 30 30	Do. of prunell, stuff, or nankeer	lb.	25 o 12	12
	Quicksilver & all preparations of it	t do.	1 5 o		do.	15 0	Snuff Boxes of paper	prct	15	
	Quills, prepared or manufactured RADIX, or Root Angelica, & root	do.	25 0	—, Gold or Silver	do.	121 7	Do. of tin	do.	25 15 o	20
	Talaying of Itoot Magairea, & Photo	0		, Brass, Iron, Steel, or Coppe	cr do.	-25 20	Do. turtle shell	40.	25 0	

140, 02,]				TOTAL PROPERTY IN THE PARTY.	A 77 19 19 77					208
ARTICLES.		NEW	OLD.	ARTICLES.		NEW C	LD.	ARTICLES.		NEW OLD.
	PER.	Scts :	Scts.		PER.	Scts &	5 cts		PER.	Scts Scts
Snuff Boxes, horn	do.	15		Suspenders of cotton, flax and silk				Trays and Waiters, silver or gold	prct	121 71
Do. gold or silver	(l0,	121	71		do.	30	30	Do. do. gilt, plated or japan'd	do.	25 20
Do. Wood	do.	30	30	Do. of wool. See wool.				Do. do. paper	do.	15 0
Do. ivory	do.	15	3	Sweetmeats or comfits preserved		26	20	Do. do. wood	do.	30 30
Soap	pret.	30		in sugar or brandy Syrup or molasses	do. gall.	30 5	30	Trees Turtles	free	free
Spades of iron or steel Spanish brown, dry	16.	1		Syrup, real	prct			Turtle Shell	do.	15 o 15 o
Do. ground in oil	do.	15		TABLE CLOTH, of oil cloth	do,	30 0		Tumeric	do.	123 74
Specimeos of sculpture, specially		- 2		Do. do. of flax. See flax				Twine	lb.	5 4
imported, &c.	free		free	Do. do. of cottoo. See cot.				Turkey Carpets and Carpeting	sqyd	50 25pc
Specimens in natural history, mi-				Tacks, brads, or sprigs, not ex-				Twist, Cotton. See Cotton.		
neralogy, botany, and anatomical				ceeding 16 az. to the thousand	М.		5	UNBLEACHED and uncoloured		
preparations	do.		do.	Do. exceeding 16 oz. to the				Cotton Yarns. See Cotton.		
Spectacles, if gold or silver mount-		101	- 1	thousand	lb.	5		Undressed Furs	free	free
	prct	$\frac{12\frac{1}{2}}{25}$		Tallow	do.	1 5	1	United States, all articles import-		
Do. if iron or steel mounted	do.	15	20	em .	do.	30 o	ی	ed for their use	do.	do.
Do. if turtle shell mounted Spectacle Cases, if iron or steel	do.	25	20	Tamarinds, preserved in sugar Do. do. in molasses	prct	15 0		United States, manufactures of the		do
Do. if paper	do.	15		Tamboreens	do.	30 0		United States and its territories Unmanufactured Bark of the cork	uo.	do
Do. if leather	do.	30		Tarred Cables and Cordage	lb.	4	3		do.	do.
Spectacle Glass, not mounted. See				Tartar, Cream	pret	150		Unmanufactured Wood of any kind		do.
Glass.				Do. Red Crude	do.	129	73	Untarred Cordage, Yarns, Twine,		
Spelter	free	1	free	Tea, imported in vessels of the U.				Pack Thread, and Seines	lb.	4
Spermaceti Candles	lb.	8	6	States direct from China.				Unwrought Burr Stones	free	free
	gall.		25	Tea, Bohea	lb.	12	12	Unwrought Clay	do.	do.
Spikes, copper or composition	lb.	4	4,	Tea, Campoy, Congo, Souchong	, ,			VALERIAN ROOT	prct	15 0
Do. iron	do.	4	42	and other Black Teas	do.	25	25	Valonia	do.	121 71
Spirits distilled from grain, 1st pf.		42 45		Tea, Imperial, Gun-powder and	do.	50	5:0	Vanilla	do.	150
2d do. 3d do.		48		Gomee Tea, Hyson and Young Hyson	do.	40		Varnishes of all kinds	do.	15 0
	do.	52		Tea, Hyson Skin and other Green		40	70	Vegetables of all kinds not enume-		
	do.	60	60		do.	28	28	rated and not used principally in dying	do.	15 o
above 5th do.		75		Tea, imported in vessels not of the		-		Vellum	do.	30 30
Spirits distilled from other materi				United States from China, or any				Venetian Red, dry	do.	15 0
als than grain 1st and 2d proof	do.	38	38	where else.				Do. ground in Oil	do.	15 0
3d do.	do.	42	42	Tea, Bohea	do.	14	14	Venetian Carpets, or Carpeting	sqyd	25 25pc
4th do.	do.	48	48	Tea, Campoy, Congo, Souchong	,		- 1	Verdigris	prct	121 71
5th do.	do.	57	57	and other Black Teas	do.	34	34	Vermicelli	do.	15 0
above 5th do.	do.	70	- 70	Tea, Imperial, Gun-powder, and	1	60	-	Vermillion	do.	25 0
Spunges	pret	15	0	Gomee	do.	68 5 6	56	Vinegar	gall.	8 0
Sprigs, not exceeding 16 oz. to the	Μ.	5	5	Tea, Hyson and Young Hyson	do.	30	30	Violins of wood	lb.	30 30
thousand Sprigs, exceeding 16 oz. to the thou-		3	Ŭ	Tea, Hyson Skin and other Green Teas	do.	38	38	Vitriol, blue or roman Do. Oil of	do.	3 0
sand	lb.	5	4	Tea, from any place other than		00	50	Do. White	prct	15 0
	pret	30	30	China imported in vessels of the			[WAFERS	do.	30 30
Do. iron, brass, or steel	do.	25	20					Waiters, silver or gold	do.	121 71
Starch	do.	15	0	designated above for foreign ves				Do. gilt, plated, or japanned	do.	$25 2\overline{0}$
Statues and specimens of statuary,				sels.			- {	Do. paper	do.	15 0
specially imported, &c.	free		free	Tea Pots, earthen or china	prct	20	20		do.	30 30
Steel	CWT.	1 00	1 00	Tea Pots, brittania, tin, pewter	, ,,	0.5	-00	Walking Sticks	do.	30 30
Do. wire, not exceeding No. 18	do.	5 9	0	gilt, or plated	do.	25 191	71	Walnuts	do.	15 0
Do. wire, over No. 18	do.	9	9	Ten Pots, silver or gold	free	12½	ree	Ware, china	do.	20 20 20 20
Steel, manufactures of, or which				Teutanaque or Zinc	1.00			Do. earthen	do.	20 20
steel is a component part, not otherwise specified	pret	25	20	Thread, Cotton. See Cotton. Do. do. pack	115	5	4	Do. porcelain Do. stone	do.	20 20
Steel yards	do.	25	20	Thyme, Oil of, or Essence of	pret	30 0		Do. glass. See glass.		_
Sticks, that is, walking sticks	do.	30	30	Tiles for building	do.	25 0		Wares, that is, Cabinet Wares	do.	30 30
Sticks or frames for umbrellas or				Tip, in bars, pigs or blocks	free		ree	Do. gilt	do.	25 20
parasols	do.	30	30	Tin Foil	prct			Do. japan	do.	25 20
Stone ware	do.	20	20	Tin Plate	do.	25	15	Do. plated ware of all kinds	do.	25
Stone, armenian, caustic, grind				I'in Sheets	do.	25		Warming Pans, brass or copper	do.	25 20
stones, oil stones, pumice, rotten,	do.	15	0	Tin all manufactures, if not other				Washes	do.	30 30
touch stone, and whet stone	free		free	wise specified, or of which Tir	do.	25	20	Watches of all kinds, and parts of	do.	121 71
Stone, burr unwrought			11.00	is a component material	do.	15 0		Watches Water, Cologne	do.	12½ 7½ 30 o
Stone, bristol, cornelian, and all other precious, of all kinds, set,				Ticklenburgs Tobacco, manufactured other than				Wearing Apparel, in actual use of		
or not set, and all articles com-				Snuff and Cigars	lb.	10	10	persons arriving in the U. States	free	free
posed wholly or chiefly of preci-				Tobacco, in leaves or unmanufac-				Whalebone	pret	15 15
ous stones	pret	$12\frac{1}{2}$	71/2	tured	prct	15 0		Wheat	bu'h	25 o
Straw Bonnets. See Hats.				Tools and implements of trade, o	f			Wheat Flour	cwt.	50 o
Sublimate corrosive	do.	15		persons arriving in the U. States	s free	f	ree	Whet Stones	prct	15 0
Sugar, brown	lb.	3	3	Tooth Brushes	pret	30	30	Whips	do.	30 30
Do. white, clayed, or powder'd	do.	4 10	4	Tooth Powder	do.	300 o 193		Whiskey, 1st proof	gall.	42 42 45 45
Do. lumb	do.	12	19	Topaz, real	do.	12½ 15 o		Do. 2d Do. 3d	do.	45 45 48
Do. loaf . Do. candy	do.	12	12	Topaz, imitation Toys, of brass, iron, steel, tin, lead		200		Do. 3d Do. 4th	do.	52 5 2
Do of lead	prct		0	pewter or copper	' do.	25 o		White Lead, dry or ground in oil	lb.	4 3
Sulphur and roll brimstonė	free			Toys of Wood	do.	30 o	- 1	White Vitriol	pret.	15 o
				b						

Z.IT				WW PARTIN NATIONAL WAS STATED	EVEL,
ARTICLES,		NEW O		ARTICLES.	NEW OLD.
White Date		3cts \$		337 - 1 3 Ct (T) (T) - 1	PER. Scts Scts
White, Paris Whiting	lb.	1			prct 25 15
Willow, Sheets for hats	do.	40	30	YARN, Cotton. See Cotton.	3- 101 -
Window Glass. See glass.	pret	30	30	Yellow Berries, for Dying	do. $12\frac{1}{2}$ $7\frac{1}{2}$
Wine Lees	do.	123	71	ZINC, in pigs, or otherwise un- wrought	free free
Wine, Burgundy, Champaigne, Ma-	40.	122	1 2	Zinc, sheets for sheathing of ships	
deira, Rhenish, and Tokay	gall.	1 00 1	0.0	Zinc, Sulphate of	do, 150
Wine, Sherry and St. Lucar	do.	60	60	Zinc, Nails	do. 150
Wine, Lisbon, Port or Oporto, Fi-					100
guira, Mondego, and other wines				The Tariff Law enacts a duty of	
of Portugal	do.	50	50	tum ad valorem on all articles not he	erein specified,
Wine, Marsala, or Sicily Madei-				and heretofore paying a duty of 72	
ra, and other Wines of Sicily	do.	50	50	valorem; with the exception of p	
Wine, Tenneriffe, Fayal, Pico, Pi-				telt, for covering ships' bottoms,	
co Madeira and other Wines of				admitted free of duty, until June	
the Western Islands	do.	40	40	thousand eight hundred and twenty	
Wine, Claret, Vin-de-Grave, Fron				SECT. 2. An addition of ten per	
tinac, and all French Wines, ex-				be made to the several rates of dut	
cept Burgundy and Champaigne				posed upon the several articles afor	
Corsica, Leghorn, and all the	•			after the said respective times for t ment of the duties hereby imposed	
Wines of Italy and of the Archi-				ported in ships or vessels not of the	
pelago, and of the Levant; Ca-				Provided, That this addition shall	not be applied
talonia, Calmenar, Malaga, and				to articles imported in ships or yes	
all the Wines of Spain, except				United States, entitled by treaty, of	or by any act of
Wines not enumerated when im				Congress, to be admitted on payme	
	do.	30	20	duties that are paid on like article	es imported in
wine, and when imported in casks		30	30	ships or vessels of the United Stat	
or in any other way than in bot				SECT. 3. There shall be allowed	
tles or cases	do.	15	16	the doties by this act imposed upo	
N. B. When Wine is imported		.10	10	tion of any articles that shall have	paid the same
in bottles, there is a duty charge				within the time, and in the manner	and subject to
ed on the bottles. See glass.				the provisions and restrictions, pre-	scribed in the
Wire, iron or steel, not exceeding	-			fourth section of the act, entitled	
No. 18	lb.	5	5	gulate the duties on imports and to	
Wire, iron or steel, exceeding No		_		the twenty-seventh day of April,	
18	do.	9	9	eight hundred and sixteen.	
Wire, square, used in the manu-				SECT. 4. The drawback allowed	by law on plain
facture of stretchers for umbrel-				silk, shall be allowed, although the	he said cloths.
las	pret	. 12	20	before the exportation thereof, sl	
Wilton Carpets and Carpeting	sqyd	50 2		coloured, printed, stained, dyed, sta	
Women's Bonnet or Caps. See hats	3		•	ed in the United States. But, whe	never any such
Wood, Brazil, Brazilletto, Red				silks shall be intended to be so cold	oured, printed,
wood, Camwood, Logwood, Ni				stained, dyed, starsped, or painted,	and afterwards
caragua, Red Sanders, Rio-de la				to be exported from the United St	ates, with pri-
Hache, Pernambuco, and other	•			vilege of drawback, each package	
Dye-wood	free	f	ree	before the same shall be delivered	
Wood, Sandal, in sticks or in dust				lic stores, be opened and examined	
or powder	do.			tor of the customs, and the content	
Wood, unmanufactured, of any kind				sured or weighed, and the quality	
Wood, Quassia	prct	15	15	tained, and a sample of each piece	
Wood, that is, all manufactures of				ed at the custom-house; and a part	
wood	do.	30	30	or registry of such examination,	
Wool, unmanufactured, until the				number of pieces in each package	
first day of June, 1825	do.	20	15	or measure, and the samples the	
afterwards, until the first day		0."		shall be entered in the books o	
of June, 1826	do.	25		house; and after such examination	
afterwards	do,	30		shall be re-packed in the original	
Provided, that all Wool, the ac				the said original package shall be a	
u al value of which at the place				custom-house mark. And whene	
whence imported, shall not ex-				goods, being thus coloured, printed,	
ceed ten cents per lb. shall be				stamped, or painted, shall be enter	buck the cus
charged with a duty of 15 per				tom-house for exportation and draw	
Wool on all manufactures of wool				shall be so entered in the original p	
Wool, on all manufactures of wool, or of which wool shall be a com-				ed as aforesaid, and not otherwise, u	
ponent part, except worsted stuff				son so entering the same, shall giveridence to the collector or naval	
goods and blankets, which shall				of them, that such original package	
pay 25 per cent. ad valorem, un-				or destroyed by accident; and no su	
til the 30th day of June, 1825	do.	30 2	25	for drawback shall be made, excep	of application
And after that time	do.	331		tents of entire packages; and upon	application for
Provided, that on all manufac-		559		such entry and drawback, the co	
tures of Wool, except flannels				packages so offered, shall be exam	
and baizes, the actual value o				spector of the customs, and measure	
which at the place whence im-				and compared with the original en	
ported, shall not exceed 333 cts				and samples;—and if, upon such co	
per square yard, shall be charge				full examination, the collector sha	
ed with a duty of	do.	25		that the contents of each package	are the same
The second secon				1	
					•

NEW OLD. identical goods imported and registered as aforesaid, and not changed or altered, except by being coloured, printed, stained, dyed, stamped or painted, as aforesaid, then the person, so entering such goods, shall be admitted to the oath prescribed by law, to be used in cases of application for exportation of goods for the benefit of drawback, and shall thereapon be entitled to drawback, as in other cases: Provided, That the exporter shall in every other particular, comply with the regulations and formalities, heretofore established for entries of goods for exportation with the benefit of drawback. And if any person shall present, uty of 72 per centum ad for exportation and drawback, any coloured, printotion of patent adhesive ed, stained, dyed, stamped, or painted silk, knowpottoms, which shall be ing the same not to be entitled to drawback, acntil June thirtieth, one cording to the provisions of this act, or shall wilfully misrepresent or conceal the contents or qualof ten per centum shall ity of any packages as aforesaid, the said goods, so presented or entered for drawback, shall be rticles aforesaid, which, forfeited, and may be seized by the collector and proceeded with, and the forfeiture distributed, as in other cases.

O CENTER O FROM THE NEW-ENGLAND FARMER.

Brighton Cattle Show, - Exhibition of Manufactures,-Ploughing Match, &c.

We shall be able in this paper to give nothing posed upon the exporta-this Anniversary, and must refer our readers to hall have paid the same, the more full and elaborate accounts, which will ctions, prescribed in the be published by the several Committees of the Massachusetts Agricultural Society. entitled "An act to re-

The exhibition of Animals was, we think, in all things equal, and in some respects superior to any which we have before witnessed. There were of April, one thousand k allowed by law on plain ed with fine animals, good specimens of what our Ithough the said cloths, thereof, shall have been dived, stamped, or paintof great s of excellent quality. The department of Inventions was filled with things new, and we have no But, whenever any such doubt useful, but, we must refer for particulars painted, and afterwards to the official accounts, which we hope soon to publish.

The proceedings of the 21st commenced with a prayer by the Rev. Dr. Foster. The Hon. Mr. Lowell, President of the Society, then gave some eloquent, judicious and pertinent remarks. The Society, together with invited guests including many strangers of the first respectability, dined nination, describing the at the Mansion House of Mr. Dudley, where they package, their weight were regaled with the choicest productions of the land we live in; to which were super-added many of the prime productions of other countries.

The feast was followed by sentiments which had a tendency to improve as well as to exhilirate. The following were among the number.

The President of the United States-May the administration of his successor-whoever may be chosen-be as popular, pacific, prudent, and prosperous as his has been.

The Farmers of Mount Vernon and La Grange. who have given dignity, by their example, to the earliest and noblest of arts.

Bunker Hill Monument-May it never be forgotten, that the Farmers proved on the day which this noble monument is destined to commemorate,

de, except on the con- that they knew as well how to defend their soil, and upon application for as to subdue it. Enlightened Agriculture-May our Farmers

be examined by an in- never think it above nor below their concern, to d measured or weighed, learn the principles as well as the practice of their

original entry, registry, arts on such comparison and Agriculture, Commerce, and Manufactures_ lector shall be satisfied May their respective weights be so balanced by package are the same our rulers, that they may remain in equilibrio.

The Plaugh and the Steam Engine-The earli est and the latest inventions of Man-May they both attain the highest possible degree of perfec

Our Countryman, Jacob Perkins-May he sur mount all the obstacles which have opposed his inventions, and acquire a name as imperishable as that of WATT.

Admiral Sir Isaac Coffin-May all Americans, native country, and cherish its interests as their

Massachusetts in the Congress of the U. States-May we forget all party distinctions when the honour and interest of this section of the country are at stake.

True Glory-May Man's moral nature seek it

By Major Somerville, (a planter from Vir ginia) - Agricultural, the mother of Commerce calves a and Manufactures-May our legislators oever crossing. sacrifice the interest of the Parent to the caprices of the Children.

abundant, that it seems to be the natural growth

of the soil.

By the MAYOR of Boston-The Spirit of Husbandry-May it drive all ardent spirits out of the field.

Masonry of Agriculture, which finds a Brother and which will never be withdrawn. in every clime.

good Husbandry always equal the demand.

John Bull-as well as all other bulls; we will not forget our parent stock, though we "have waxed fat and kicked."

ginal soil but improved by cultivation.

By the Hon. Judge Davis-Health, performance, and prosperity to Farmers and to Farmer's Friends.

By Gen. H. A. S. DEARBORN-The memory of Blackstone, who designated the site of Boston, that "he received one volunteer toast in favour and planted the first Orchards in Massachusetts of a particular candidate for the Presidency, and Rhode Island

New-England, which plentifully supplies our phy-candidates. There were at that feast warm supsical wants, on a condition which improves our porters of Adams, Jackson, Crawford and Clay, mora: character-Industry.

By Hon. SAMUEL DANA-The temple of the Husbandman, where every sect of Christians, and of them. There ought not to be introduced at every denomination of Politicians may meet and

worship together.

By the EDITOR of the New-England Farmer-Agriculture, the primitive and principal possuit of Man-May Masters of Art recollect that without Agriculture, want would be their master-Literary Men remember that Cabbage Heads go to compose Learned Heads-Physicians be sensible that meat comes before medicine—the Statesman never forget that the seeds which produce Manufactories, Counting Houses, Schools, Acade sown in the field of the Farmer.

By Mr. HUBBARD, of the Worcester Agricultural Society-Our Pilgrim Fathers, who ploughed the deep to filant THEMSELVES in the land. The ing by a very rapid progression. Crop has proved that the Seed was good.

From the Chair-The Worcester Agricultural Society—May we never forget that it is to that hereafter, country we owe some of the finest fruits of our exhibition.

Mr. Goodwin, of the delegation from the Ag ricultural Society of the County of Worcester.

nais, which the Parent Society were adding to page 113.) -"the injudicious method commonly called the Sutton breed, that had so long been in use here, and which our Father's brought with them two centuries since, from the North of England, their natar soil. And without detracting in Mr. Webster, the enlightened representative of breed still held the ascendency. He would theretore propose as a sentiment, -

The Devonshire breed of Farmers and their Oxen-for patient toil and persevering industry, unrivalled; the breed needs no crossing.

By the Hon. Josiah Quincy-Ardent Shirits, above the sky; and his physical, seek it under the like "spirits of the vasty deep," may they be

called for without coming.

The good old Cow, the United States-Her bullcalves are very well, and her heifers need no

By his Britannic Majesty's Consul for the Uni ted States .- May the good old Cow of the United The State of Virginia-whose greatness is so States ever live on friendly terms with John Bull.

The Presidential Ploughing Match-May it be conducted on all sides without goading, jockeying or back-biting

By the Hon. Judge Davis-The Chelmsford Quarries, furnishing a solid deposit for the Na-By the Hon TIMOTHY PICKERING-The Free tional Bank, which 60 oxen could scarcely draw,

The good old Cow, our Cauntry-May those By the Hon. Judge Story-May the supply of who contend for milking her, see that their hands

The Team United States-Twenty four yoke of good working oxen; may they continue to draw well together; and neither Buck nor Golding, Virginia—a good old plantation; rich in its orinai soil but improved by cultivation.

Massachusetts—This good old parsley bed; may

it continue to send forth a savoury influence.

There were many other sprightly Toasts, for which we have no room this week.

The President of the Society desires us to say which he thought it his duty not to announce, as By the Hon. Mr. PRESCOTT-The hard soil of it might have introduced others in favour of other -Some who preferred Clinton to any of the present candidates; and some who did not like any this common festival, sentiments, which would disturb, or even impair the harmony and general enjoyment of the guests."

The Ploughing Match was superior in many accounts to any thing of the kind which we have ever witnessed. The teams were excellent, the ploughs of the best construction, and the work performed with neatness as well as expedition There were no less than 22 teams which entered the lists, which is dauble the number that took pository. the field at the last preceding anniversary. This mies, Colleges, Court Houses, and Churches, are circumstance together with the great throng of interest of the public and the exertions of competitors in this part of the exhibition are increas

There were many fine specimens of agricultu-

[BY THE EDITOR.]

Preservation of Apples,-In our last number, page 94, we gave some breif observations relative

he Stock of the country, his associates were for practised in gathering apples, is more destructive ibly remined of the striking execublance of the in its consequences than is generally understood. Bull of Mr. Prince recently imported from North The first requisite is, to ascertain precisely when Devon to the breed of native working Oxen, now the fruit is wholly ripe, as it is said that the longer winter apples are suffered to remain on the trees, provided they are not overtaken by frost, the longer they may be preserved. In hot climates, and in hot seasons, fruit attains to maturiin every clime, look back, as he has done, to their the least from the various good qualities of the ty and ripens carlier than in colder ones, because other invaluable animals of foreign descent, it the sap performs its office more rapidly. It may must be admitted that for working qualities, this be considered a correct rule, that apples are ripe, when those that are sound and fair fall naturally from the trees, or separate very readily on being touched by the hand. They should be gathered during a clear dry air, after the dew is evaporated. According to the late philosophic Dr. Darwin, in order to ascertain when fruits, for instance, apples and pears, are sufficiently ripe for gathering, it is requisite to attend to the colour of the skin, enclosing the seeds. During their infant state, there is no cavity round the kernels, but they are in contact with the seed vessels. In a subsequent period, when the fruit has exhausted the nutricious matter, the cells containing the seeds become hollow, and the latter assume a dark colour. This, Dr. Darwin observes, is the proper criterion by which to judge when such fruits should be gathered; as it indicates that they will not continue to increase in size, but waste and become hollow, by absorbing the mucilaginous particles from the centre. In gathering apples and pears, it is necessary carefully to avoid injuring the blossom buds, which are already formed for the next year's fruit. These buds are placed at the side of the foot stalk of the fruit, and if the spurs are broken, there will be no fruit on that part the next season. The pressing against the trees, therefore, with heavy ladders, and the rash practice of thrashing the trees with poles, ought to be entirely abandoned; for by such means, the bark and limbs are bruised, and the blossom buds for the succeeding year are destroyed Instead of ladders, stepping frames should be employed, and a pole, furnished with a hook at the end, and covered with coarse cloth, may be used to shake the small limbs, without injuring the bark. When perfectly ripe, apples for cider may be shaken off without injury to the buds, but still they will be bruised, unless the ground be covered with blankets or straw. Particular care is requisite in gathering winter fruit for keeping :- they should be gathered by the hand, and without injury removing them from the gathering basket to the casks prepared for them, with great care; if broised, they soon decay; and the less those that are sound are removed, the better .- When in barrels, they should be placed in a dry, cool, shaded situation, above ground, and remain until in danger from frost, and then put into the cellar,"

The following valuable observations, contained in a letter from Noah Webster, Esq. have been published in the Massachusetts Agricultural Re-

"It is the practice with some persons, to pick them in October, and first spread them on the spectators attending, may serve to prove that the floor of an upper room. This practice is said to render apples more durable, by drying them .--But I can affirm this to be a mistake. Apples, after remaining on the trees as long as safety from the frost will admit, should be taken directly from ral products, &c. &c. which we propose to notice the trees to close casks, and kept dry and cool as possible. If suffered to lie on a floor for weeks, they wither and lose their flavour, without acquiring any additional durability. The best mode of preserving apples for spring use, I have found to be, the putting them in dry sanl as soon as pickafter some preparatory remarks upon the pro- to preserving apples, but the subject deserves ed. For this purpose, I dry sand in the heat of gress of domestick improvement, observed, that further notice. in viewing the variety of beautiful imported ani- | Dr. Thacher observes, (American Orchadist, ples in layers, with a covering of sand upon each

layer. The singular advantages of this mode of treatment are these:--Ist. The sand keeps the apples from the air, which is essential to their preservation. 2. The sand checks the evaporation or perspiration of the apples, thus preserving in them their full flavour-at the same time, any moisture yielded by the apples, (and some gratify several of our Patrons, who have express there will be) is absorbed by the sand; so that ed a desire to see in the Farmer, a comparative vented. My pippins in May and June, are as ed to the exclusion of many original communica fresh as when first picked; even the ends of the tions, but a more favourable opportunity was not stems look as if just separated from the twig,"

pit sand for the preservation of apples and pears, country-and none more than those who have ered with a layer of sand an inch thick :- then lay Domestic Manufactures. a second stratum of fruit, covering again with an inch of sand. An inch and a half of sand may be placed over the uppermost row of fruit. The jar tion, as cool as possible, but entirely free from frost. Wheat bran is sometimes substituted for (November.) sand.

in ice houses, where it may remain in a frozen and Friday, the 18th and 19th days of next month state for a considerable time. And if the fruit be afterwards gradually thawed, by covering it with for Easton the day before, that will be on Wed melted ice, or immersing it in cold spring water, nesday morning, touch at Annapolis and arrive at it will lose but little of its flavour, provided it be Easton about sunset. As many will be going, it consumed on the same day."

Mrs. Cutbush, widow of the late Professor promote the convenience of the party. Cutbush, of the Military Academy at West Point, has issued proposals for publishing by subscrip-Chemistry, designed for Exhibition and for War—in four parts. Containing an account of the Substances used in Fire Works,—The Instru-Shore. for Exhibition—and Military Pyrotechny. Adapted to the Military and Naval Officer, the man of Science, and Artificer."

The Maryland Tavern is still for rent, lease, or sale, on moderate terms. Enquire of J. Science, and Artificer." ments, Utensils, and Manipulations-Fire Works,

0 PUBLISHED IN THE AMERICAN FARMER, BY OR-DER OF THE STATE.

A report of the tobacco inspected at and delivered from Pig Point Inspection Warehouse, du-1824, and ending on the 5th day of October, 1824.

	Domestic growth.	Gr wthuot of this state.	Ke-jn- spected.	Total.
Number in- spected.	112			112
Number de- livered.	129			129

GASSAWAY PINDELL, Inspector. TREASURY OFFICE, ANNAPOLIS, Oct. 13, 1824 True Copy from the original report on file in this office.

B. HARWOOD; Tr. W.S. Md.

ERNATUM.—Under the head preparation of Seed Wheat, in the last number, instead of sieve of with a calander, read "seim of with a colander."

THE FARMER.

BALTIMORE, FRIDAY, OCTOBER 29, 1824.

To We have been waiting for some months to the apples are kept dry, and all mustiness is pre-view of the old and new Tariff. It is now inserttions, but a more favourable opportunity was not likely to occur; and the document itself, is one An English writer recommends the use of dry that very nearly concerns every citizen of the but the price thereof not at all improved. Glazed earthen jars are to be provided, and the capital embarked in the soil and labour employed sand is to be thoroughly dried. A layer of sand, in its cultivation. By reference to this document an inch thick, is then to be placed in the bottom every one may form some estimate of how much of the jar; above this, a layer of fruit, to be cov- or how little he contributes to the sustenance of year, can be had for seventy five dollars or the

AGRICULTURAL SHOWS AND FESTIVALS.

"One of the most easy methods (says Dr. Darwin,) of preserving fruit, is that of depositing it Maryland will take place at Easton, on Thursday The Cattle Show for the Eastern Shore of The Steam-boat Maryland will leave Baltimore they will leave their names with the Editor of the American Farmer some days before, it may

The Cattle Show for the Western Shore "A System of Pyrotechny, comprehending the day, Wednesday, and Thursday, the 23d, 24th, ble creek, emptying into the Chesapeake Bay, Theory and Practice, with the Application of and 25th of November—so that persons going to which afford convenient water carriage for most will be held at the Maryland Tavern on Tues

The new roads formed in England on the plan American Farmer is earnestly requested to make suggested by Mr. M'Adams, have been greatly immediate remittance of the amount by mail, at improved by pouring melted tar over the stones the cost and risk of the Editor. It is hoped that improved by pouring melted tar over the stones the cost and risk of the Editor. It is hoped that mill in Annapolis, both very convenient to this in sufficient quantity to fill the interstices, and beservery one who gets the paper is satisfied that he estate. These two Farms will be divided into fore it cools, sifting some fine gravel or sand over it. gets his penny's worth; and it is not the wish of the Editor to have patronage on any other terms. -He knows that many who are in arrears, are amongst his best friends, and they will not take it amiss, as it is not without urgent occasion, that he reminds them, that if they would prove their remainds them, that if they would prove their remainds them, that if they would prove their remainds them. good will, now is the accepted time, "time enough"

> To the prices of country produce yet more particular attention will be given than heretofore, with more particular specifications of the owners of the crops, and the quality of the article.

> > ----

PRICES OF COUNTRY PRODUCE—carefully collected every Thursday, for the AMERICAN FARMER.

Flour, Howard-Street, \$5 25-do. wharf, \$4 75 -Wheat, red, 88 a 93-Lawler, do 90 a 95-best white, \$1 05 a 1 08—Corn, white, 38 cents—Yel low, do 38—Rye, 37 ½ a 40—Oats, 20 cts.—Barley, 50 55—Whiskey, 28—Apple Brandy, 25—Clover Seed, white, perlb. 373—Red, do. per bush. \$4 75 -Saplin, do. \$5 75-Timothy, 3-Orchard grass,

\$2 50-Herds grass, \$2-Herrings, No. 1, \$2-No. 2, \$1 75—Hay, per ton, \$10—Leather, best 3ole,24 to 27 cts.—Feathers, live, per lb. 32 cts.—Cotton, Louisiana, 16 to 18 cts.—Georgia, Upland, 15 to 17 cts.—Alabama, 13 to 15—New Wool, 30 to 35 cts.-Merino full blooded 35 to 40 cts.-3 do. 30 to 35 cts.—½ do. 25 to 28 cts.—Common, 20 to 25 cts.-25 per cent, more when well washed on the sheep and free from tags—Coal, pit, foreign, 40 cts.—Virginia, do. 20 to 25—Susquehannah, do. 6 50 to \$7-Lime, bushel, 30 to 33 cents.

Topacco-Sales have been brisk the last week.

Tunis Broad Tail Sheep.

A pair of genuine Tunis Sheep, imported last ram at fifty, and the ewe at twenty five dollars, delivered in Baltimore.

The ewe had a fine lamb a few weeks after her At Winchester, in Virginia, the Exhibition arrival in the United States, - and it is probable

Apply to the Editor of the A. Farmer.

Tobacco and Wood Lands.

On the ninth day of December next, at eleven o'clock, A. M. if fair, if not, the next fair day thereafter, the subscriber will offer at public sale, on the premises, his valuable Real Estate, situate on the north side of Severn River, opposite the City of Annapolis, containing upwards of

ONE THOUSAND ACRES,

about six hundred covered with wood and heavy timber, consisting of white oak, black walnut and poplar, &c., the residue for the most part under good fences-the whole nearly surrounded by the

large banks of oyster shells, and other sources of maoure in great abundance. Plaster has been found to act with great effect on those lands in promoting the growth of clover-the soil is prin-Every one indebted to the Editor of the cipally clay, of an excellent quality for grain and other crops, and particularly well adapted to the culture of first quality of tobacco. There is a good water mill adjoining these lands, and a steam smaller ones of from 200 to 800 acres each, which will be shewn on a plot on the day of sale.

The buildings on both the Farms are beautifully situated on eminences commanding extensive

Terms of sale, one fourth cash, the residue in good will, now is the accepted time, "time enough" three equal annual payments, on interest from the 1824, and ending on the 5th day of October, 1824, and ending of treat for the above lands at private sale, at any time previous to the day appointed for public auction. N. BRICE.

Bultimore, 22d Oct. 1824.

CONTENTS OF THIS NUMBER.

Tariff of the United States, new and old, Alphribetically arranged.—Carefully compared with the Law, by a Clerk in the Caston-House, New-York—Brighton Cattle Show,— Exhibition of Manufactures,—Piooghing Match, &c.—To-bacco Report—Editor's remarks—Prices Current—Adverisements, &c.

Printed every Friday at \$4 per annum, for JOHN S, SKINNER Editor, by JOSEPH ROBINSON, on the North West corner of Market and Helvidere streets, Baltimore; where every description of Book and Joh Printing executed with nearness and despatch—Orders from a distance for PRINTING or BINDING, with proper directions promptly attended to, addressed to J. Robinson, Baltingere.

AGRICULTURE.

"TREATISE ON SOILS AND MANURES BY A PRACTICAL AGRICULTURIST."

IPMROVEMENT OF Soils by the use of LIME. (Continued from our last.)

In number 28 of this volume, we commenced the publication of "A Treatise on Soils and Manures, by a Practical Agriculturist." Although it has been necessary to divide this treatise, and although it will yet run into many subsequent numbers of the Farmer, the understanding of the subject is not at all affected thereby; be cause, the treatise in its very nature, subdivides. itself, and each part may be considered as a whole; perfectly intelligible without depen dence of one on another.—We shall endeavour to observe these natural divisions of the to picks treated of, and hence, in this number, though the general heading is continued, the part selected falls under the particular head of

That the reader may know what he has to that the next number will contain the writer's Theory of the operation of Gypsum or Plaster of Paris as a manure, and experiments, therewith; and hereafter, of Clay burning, Mineral substances, Soot, Coal, Ashes, Coal water, Bones, Hair, Bleacher's waste, Oil and Blubber, refuse Fish, Carrion, Malt-dust, Sea Weed. Vegetable Mould, Woody fibre, Shavings of Wood, Peat Ashes, Night Soil, Dung of Fowls, Experiments with various monures, &c. &c. Without wishing to forestal or to influence the opinion of the reader, we think we may venture to pronounce, that, to any Farmer, who admits the benefit of investigation-who does not maintain that habit is every thing, and thought an useless faculty, these papers alone will be ample compensation for his year's subscription already paid, or which, having neglected to pay, he will now remit'without delay. [Ed. Am. Far.

VII. By applying Earths as Manures .- When any decomposed mass of stone or earth is laid upon or turned into the cultivated clod, with the object-either of furnishing a solvent to the remains of animal or vegetable matter which encumber the soil by their slow decay, or of enrich ing the land with some substance which is appaa distinct province from that of merely applying earths to mend the texture of the soils as under But sometimes the two designs will coincide. Closely connected with the theory of manures is the inquiry, What is the true food of plants?

"The chemistry of the more simple manures, the manures which act in very small quantitiessuch as gypsum, the alkalies (which include pot ash and soda,) and various saline substanceshas hitherto been exceedingly obscure. It has heen generally supposed, that these materials act in the vegetable economy in the same manner as stimulants in the animal economy, or perhaps in some relations as solvents; but that in either case

* Elements of Agricultural Chemistry, ft. 19. Vos. 6.-33.

heightened by the earthy matters afforded by difthe compost for the pine apple, is accounted for in Abercrombie's "Practical Gardener."*

struck by steel; and some small proportion of minutely pulverized flint exists generally in the epidermis of hollow stalked plants, where it is of capitalation and synthesis. great use in serving as a support, and seems to perform an office in the feeble vegetable tribes tory of solid organic materials,) all operate in the analogous to that of the fine thin shell by which many insects are defended.

As a prejude to a survey of the effects of diffevegetation,

some philosophers and speculative horticulturists "Improvement of Soils," and embraces all that had supposed, that all the products of vegetation the stems of most vegetables. In all cases, the is said on the subject of Lime, as applicable to might be generated from water; an opinion which ashes of plants contain some of the earths of the practical experiments have shown to be fallacious; This ancient error, and the revival of it by seveexpect still further, we may here advise him ral eminent physiologists, in the 17th and 18th table burnt. The soil is the great laboratory in centuries, was founded on correct observations in regard to the following points:-1. The presence of moisture is necessary to germination, lodged and prepared. In proportion as some kinds nourishment derived both from the air and from must be supposed to derive organic materials from the soil; and no manure can be taken up by the the air, as well as from the rain or other warouts of plants unless it is present. 3. Various ter with which their vessels may come in contact; vegetables, a greater number than can be easily named, have been found to grow vigorously with ces of all plants may float among the constituents the roots in contact with water without earth.

> In the same manner, the existence of air-plants, observed in experiments on the atmosphere, and vour and uromatic essence.* The colour of plants, the repeated demonstrations that without the in regard to the constant repetition of habitual presence of air, or of oxygen gas, neither the tints, may depend greatly on their free communigermination of seeds can commence, nor the offices of vegetation proceed,—have led many in-flowers, and fruit, is also affected by accidents in ventors of new hypotheses on the growth and the soil and climate. The principles of vegetafood of plants, to attribute to the agency of Air ble matter which escape from putrefying plants, greater effects than is consistent with the daily evidence that many other things are equally indispensable.

So the productive power of mere Earth has been exaggerated. Jethro Tull, the ingenious author of the system of horse-hoeing, and after him Duhamel, having observed the excellent effects preduced in tillage by a minute division of the soil, and by the pulverization of the broken rently taken up by specific plants as food; then clod by exposure to dew and air, were misled by the earthy matter is applied as manure. This is carrying these principles too far. Supposing earth to be the only food of plants, they contended, that by finely dividing the soil, any number of crops might be raised in succession from the same land, so as to render periodical fallows unnecessary. Duhamel attempted to prove that vegetables of

* Hot-house, Pinery, p. 601. The first edition of the "Practical Gardener," was flublished before the Elements of Agricultural Chemistry appeared.

† Van Helmont, Boyle, Bonnet, Duhamel, Til let, and Lord Kames, zealously endeav sured to establish the theory of water being the only food of plants; and Braconnot quite recently, by ex-periments with distilled water. Margraf, Rergthey merely render the common food more nutri- man, Kirwan, Hassenfratz, Saussure, San Mar tive. It seems, however, a much more probable tino, and Davy have exposed the fallacies of this idea, that they are actually a part of the true theory. Every found of rain water contains one food of plants, and that they supply that kind of grain of earth, besides other impregnations. Plants matter to the vegetable fibre which is analogous raised from Pure water will vegetate only a certo the bony matter in animal structures." The tain time, and never perfect their seeds. Bulbons probability that Sir H. Davy has assigned to these roots, which are made to grow in water, if not planted in earth every other year, refuse at last to flower, and even to vegetate.

substances their true office in vegetation, is much every kind could be raised without manure; but he lived long enough to alter this opinion; his ferent plants on analysis. On a similar principle, subsequent trials led to the mature conclusion, that the benefit of a small proportion of shell marl, in no single material constituted the food of plants. The general experience of farmers had long before convinced unprejudiced theorists of that as The epidermis of the rattan is stated to contain a fundamental principle; and also that manures a sufficient quantity of flint, to give light when were absolutely consumed in the growth of plants.

The principles of Sir Humphry Davy are nearly, but not implicitly adopted in the following re-

Water, and air, and earth (as the chief deposiprocess of vegetation. No one principle affords the pabulum of plants: it is neither water, which may form the basis of their fluids, for it exists in rent earths as manures, it may be serviceable to all the products of vogetation; nor air, of which glance at those constituents in the kingdom of they give out various forms on distillation, such as nature, which appear to be the chief agents in oxygen, and azote, and inflammable gis; not charcoal, which is found on analysis to be a prin-Before the true constitution of Water was known, cipal constituent of plants; nor the particles of flint, and of gypsum, at other times of lime, found in soil, in which the plant grew; but the earthy particles never exceed 1 50 in weight of the vegewhich the main part of the food for common plants, or that which conduces to their gross bulk, is 2. Water is the vehicle of various particles of of vegetables are found not to exhaust a soil, they further, some contributions to the substantial juiof air. To all kinds of leaves and fruit, the at-In the same manner, the existence of air-plants, mosphere may possibly be the medium of the the misinterpretation of various phanomena subtile and volatile fiarticles which constitute flacation with light; but the colour of the foliage, are either soluble in water or aëriform; in the one state, they form the most useful part of manure; in the other, they swim in the atmosphere; in both states, they are capable of being assimilated by the organs of contiguous vegetables: for plants take up the elements found in their composition, either by their roots from the soil, or by their leaves from the air.

The substances found in plants on analysis may be divided into-1. Those which constitute the hard matter or frame of the plant. 2. Those which are eminently, if not solely, the nutritive materials, whether in the form of dry solids, soft pulp, or juice. 3. Those which serve as condiments, and contribute to diversify the scent, fla-

your, colour, and medical properties,

The first class includes the simple earths, the earthy bases of compound substances, metallic oxides, and the basis of woody and vegetable fibre, great part of which is carbon. It has been already mentioned that the earthy matter never exceeds one fiftieth part in weight of the whole plant, and it is commonly much less; lime and flint are found the most frequently; magnesia more rarely; and clay most seldom of all. No other metallic oxides occur than those of iron and manganesum.—Charcoal is a principal constituent in all plants.

The second class comprehends several substan-

^{*} That is, such as are proper to the plant; for a rank soil may deteriorate the flavour of edible produce by conveying through the roots some remaining juices of a foreign substance.

the vegetable kingdom, and therefore may be more finely divided, than mere chalk artificially regarded as directly nutritive to animals; along applied. Burnt lime is probably more beneficial with a great number not generally present in veto land containing much woody fibre or animal getables to any sensible degree, although abunfibrous matter, than any calcareous substance in dant in particular plants: these are, farina, or the its natural state.* Thus is quicklime efficacious basis of starch; gluten, or paste; gum, or muin fertilizing peats, and in reducing under tillage cilage; gelatine, or the matter of jelly; (these soils abounding in hard roots. But when among three are not always distinguishable;) albumen, or vegetable remains are destitute of fibrous mat resembling the white of an egg; sugar; water; ter, so as not to require a powerful solvent, or wax; resin; fixed oils; fungin, a principle de when their bulk is not in too large a proportion wax; resin; fixed oils; fungin, a principle de and extract, 'an indefinable substance, changing noxious, the application of quicklime is an unne with the plant analysed.

soluble salts;—of these the most usual is sulphuric acid, combined with sulphate of porassa; like "2 Mild Lime." Lime hoistened with sea warries common salt, and phosphate of hme. The terry yields more alkali (soda) than when treated dissolving part of its crust. Lime in every state following seem to belong to this class, though with common water; and is said to have been has also the property of attracting volatile oils sometimes in intimate combination with substantised in some cases with more benefit as manure. Hoating in the air, as well as fluid oils in contact ces under the first or second:—tannin, or the matces under the first or second :- tannin, or the matter tanning leather; indigo, and the various co louring matters; camphor; the bitter principle; non limestone, which is of a pure white colour, portioned to the deficiency of calcarcous matter in the narcotic principle, or opiate; volatile oils,

subtile to be weighed or measured.

third, in a slight degree upon the local climate,

cies of decompos stone, which are laid upon lands

as manure.

1. Lime as a solvent. (Quickline.)-Lime, when first burnt, has a caustic property, specdily decomposes vegetable and animal fibre, and is soluble in water. After burnt lime has been ex posed to the atmosphere a determinate time, it

ced by pouring water upon it, when it heats vio-

lently, and the water disappears.

Slaked lime was used by the ancient Romanfor manuring the soil in which fruit trees grew. Nevertheless caustic lime is pernicious to vegetation, as far as it comes in contact with a growing bane in some marshes, moors, and peat landsrequires correction, proceed as under 1. 1.

When quicklime, i e. lime either freshly burnt or slaked, is mixed with any moist fibrous vege table matter, there is a strong action between the

tected in the cucumber, abundant in mushrooms; or their tendency to putrescency excessive and The third class consists of acids, alkalies, and cover or mix them with any simple earth or stone mild lime readily parts with to vegetables grow-

apprised of the difference in the operation of comand another kind of limestone which has a brown the natural soil. All soils which do not effervesce found, some aroma, or fugitive essence, which cause of this difference, the public are indebted more than clays. The rubbish of mortar, on action to the third class if it could be de to Mr. Tennant. It had long been noticed, that a count of the quantity of could be dewould belong to the third class if it could be de to Mr. Tennant. It had long been noticed, that a count of the quantity of sand which it contains tained, may go off in a form thinner than air, too particular species of limestone found in the north along with the chalk, is peculiarly fitted to benefit The accumulation in a plant of the first class of things in a due and healthy proportion, may depend principally upon the soil, as a mixture of the crops for many years. Mr. Tennant, by a mains of some animal matter, with a little clay or earth; of the second, upon the manure; of the chemical analysis, discovered that this kind of peat.

We will be second, upon the local climate, limestone differed from the common, by containbut eminently upon the power natural to the plant ing magnesian earth: and from several horticul- calcareous matter, at the same time contains for attracting peculiar particles in the earth and tural experiments, he ascertained that magnesia, much vegetable manure, which is already soluble applied in large quantities, in its caustic state, is applied in large quantities, in its caustic state, is applied in large quantities. Under common circumshear, with agency of moisture and natural permission of the chief permission wegetation. Under common circumshear, without any ingredient that calls for quick-agents in vegetation, it will be more easy to exstances, the lime from the magnesian quarry is, lime,—the calcareous dressing should consist of plain the operation of the different earths, or spe- however, used in small doses, upon fertile soils, chalk, marle, or mild lime; and the application of er quantities to soils containing a very large pro

becomes mild, by taking up carbonic acid; loses marles, and chalks, have no solvent action upon less they are too rich, or for the purpose of pre-its solubility; and becomes chalk, or carbonate animal or vegetable remains: on the contrary, venting noxious effluvia, as in the cases of reduthey prevent the too rapid composition of substan- cing carrion, or qualifying night soil, afterwards

* Elements of Agricultural Chemistry, p. 21.

ces which are common to the animal as well as ents of the soil, and is more pervadingly diffused, in some proportions, seems to be an essential ingredient in ail fertile soils; necessary perhaps to tacar proper texture, or as a constituent in the orsans of phuds.*

Although lime, when rendered mild by the recovery of the carbonic acid which was expelled in burning the limestone, does not undergo any further change in itself by continued exposure to the air, yet when saturated with moisture descending in showers or otherwise conveyed'to it, it has the property of attracting an additional quantity, or second dose, of carbonic acid: thisnot entering into its constitution, but hanging cessary reduction of their strength; therefore to loosely about it by a transient association—the

The efficacy of a dressing of mild lime is proof England, when applied in its burnt and slaked clayer soils. Marle, though the basis of it is mild

When a soil which requires an accession of with good effect; and it may be applied in great-quicklime should be avoided; as quicklime is disposed to unite with the soluble matter of dead portion of vegetable matter. See, further, "3. plants, destitute of woody fibre, before the latter Magnesia?" also some restraints on the use of can have benefitted the soil, and thus forms a com quicklime, in the fourth paragraph of the next pound insoluble in water. Quicklime also, while it purifies, diminishes the strength of animal ma-2. Alild Lime, powdered unburnt limestone, nares; it should never be applied with these, unmarles, and chalks, have no solvent action upon less they are too rich, or for the purpose of pre-When newly burnt lime is exposed to the air ces already dissolved; and they have no tendency it soon falls into powder; in this case it is called to form soluble | matters. Calcareous matter, slaked Lime. The same effect is at once produ-

Quicklime is also injurious when mixed with any common dung, and tends to render the extractive matter insoluble. Further, when it unites lbid. p. 216.
§ That is to say, not in a direct manner; but dissolved, like the less tenacious compound form-

Limestones that contain flinty or clayey partiin what is called sour land, a top dressing of lime, cles, are not so good as others for burning into

coally matter, never amounting to one-twentieth.

[†] Ibid. fr. 232.

[‡] Ibid. p. 21.

¹ Ibid. p. 216.

where there is any mineral or saline acid in the ed by mild lime. plant. Where acid vegetable mould-a radical staple earth or ordinary manure, the radical evil (see above, I. 1.) will neutralize the acid matter. lime; but they possess no noxions quality.

Quicklime is more efficacious than mild lime for Bituminous limestones contain a fraction of Quicklime is more efficacious than mild lime for this purpose; but simple chalk, also marle, upplied in large quantities, will correct the evil. two substances; and they form a kind of compost, These manures, by neutralising the acids combithe food of plants, are soluble in water. Thus ned with the mould, qualify the vegetable and othe the case also with lime, whether it be pure or in lime renders matter, which was comparatively or soluble substances also present, to be converted the state of a salt: magnesia, and alumina may inert, nutritive; and as charcoal and oxygen by the influence of the atmosphere and of moisture be rendered so by caroonic acid gas; and even abound in vegetable matters, the lime is at the into nutriment for hinnts.—All the experiments minute finity sand may be dissolved in valer. He same time converted into carbonate of lime.* So yet made render it probable, that the food of plants can see, therefore, in general, though we have no burnt lime, in its first effect, decomposes animal as it is taken up from the soil, is imbibed by the very combinations that are matter, and seems to accelerate the progress of the roots only. Hence, as the eximines which forms the subsuch matter to a capacity of affording nutriment tremities of the roots contain no visible opening, stances which form essential harts of their food for vegetables: gradually, however, the lime is we may conclude that the food which they imbibe may be dissolved in water. System of Chemistry, neutralized by carbonic acid, and converted into must be in a state of solution first. And, in fact, by Thomas Thomason, At. D. F. R. S. E. Vol V. a substance analogous to chalk; but in this case the carbonaceous matter, in all active manares, is p. 376. 3d. edit. Edin. 1807. in such a state of combination as to be soluble in * Elements of Agricultural Chemistry, p. 21. water whenever a beneficial effect is obtained Compare with "Practical Gardener," p. 601. it more perfectly mixes with the other ingredi- in such a state of combination as to be soluble in * Elements of Agricultural Chemistry, p. 216. All the salts which we can suppose to make part of | † Elements of Agricultural Chemistry, p. 218.

They make good lime; and the coally mat 1, 50 far from injuring land, may, under favourable citcumstances, be converted into food for plants.

tiful, and fuel scarce, a farmer, anxious to leave no local resource neglected, might naturally fall upon the idea that lime, in an uncalcined state, if reduced to powder, or ground into small calcare ous gravel, would be beneficially applied as a manure where a:ild lime would be serviceable, with-

The first attempt to convert unburnt limestone into a manure, was made by Lord Kames: no-account, however, is known to be extant, from which we can learn how far it succeeded; and the trial must be supposed to have proved abortive, if made upon moss or moorish lands, which, owing to the great quantity of imperfectly decomposed vegetable remains imbedded in them, cannot possibly be benefitted by any substance possessing less activity in destruction than caustic lime.

Many years afterwards a large machine was erected in the county of Perth, which was furnished by three pounding-instruments of iron from is in no respect hurtful, provided there is a defi- frosts does not destroy it. the Carron Foundry, worked by a stream of water, for breaking unburnt lime into small rubble. This machine was unfortunately carried away by a flood before the effects of such lime as a manure could be decisively appreciated; but as far as the intervening time allowed of experiments, it is supplied, as the manure decomposes; but it plant that has been brought into notice (through the conclusions were favourable. Much of it had been expended on a farm of Colonel Alexander of quicklime already occupies the surface; be-possession of a branch of the plant in blossom, as

As the theory of the thing, those who are sanguine in recommending a farther trial of it, suppose that unburnt limestone must be more powerful in its effects than mild lime, which has gone through the double process of burning and conversion into chalk. Any given quantity of raw limestone, say they,-a bushel, for instance, con tains twice as much calcareous earth as the same bulk of slaked lime. Further, it is commonly imagined by persons who have used both kinds, without making any accurate experiments, that the effects of the raw limestone are slow, but more Solvent. lasting; of the calcined limestone, more expeditious, but not so permanent. But they seem to overlook the true grounds of comparison. Lime counties of Somerset, Leicester, Derby, Salop, and York: they are found in the counties of Somerset, Leicester, Derby, Salop, stone, in burning, loses, it is true, considerably in Durham, Northumberland, and York: they are stove or earthen jar, closely covered and imoverlook the true grounds of comparison considerably in stone, in burning, loses, it is true, considerably in burnam, Northumberranu, and rock, weight, by the carbonic acid gas which is expelabundant in many parts of Ireland.†

4. Phospitate of Lime.—This is a compound of "is made to boil gently for an hour; the leaves are made. I shall only activity of quicklime,—nor the absorbing power rye; and likewise in beans, peas, and tares. In of chalk,—nor the minute division of mild lime some places in these islands, it exists in a native

said of the stages in husbandry at which the apon different soils can be accounted for. Indeed it able manures. See IX. 6. depends on considerations which the gardener and agriculturist, each alone in his own province, is qualified to weigh, from an intimate knowledge land, &c. of their respective lands, and by the professional experience gained in raising the intended crops. Nevertheless, in the valuable collection of Papers which conveys the gathered wisdom of the school of Scottish agriculture, some information occurs ful practice.

"In the best cultivated counties, lime is now with the quack musician!

t scheraffy faid on finely pulverized land while under a fallow, or immediately after being sown with turnips. In the latter case, the lime Nothing yet has been said in regard to unburnt is uniformly mild; in the former quicklime, as limestone. In a district where limestone is plen pernicious to vegetation, may be beneficial in destroying weeds. Sometimes mild lime is applied in the spring to land, and harrowed in with grass seeds, instead of being covered with the plough; and under this management, a minute quantity has produced a striking and permanent improve ment in some of the hill pastures of the south-eassome places, lime is spread on grass, a year or more before it is brought under the plough; by which the pasture in the first instance, and the cultivated crops subsequently, are found to be greatly benefitted. But in whatever manner this powerful stimulant is applied, the soil is never exhausted afterwards by a succession of grain-bear-correspondent, in order that he may compare it ing crops, a justly exploded practice, which has reduced some naturally fertile tracts to a state I fear my hyson will turn out bohea; but if I am of almost irremediable sterility."*

3. Magnesia in a caustic state (burnt magnesian stone) is pernicious to vegetation; mild magnesia ciency of calcareous matter in the soil. Caustic magnesia applied to lands charged highly with rich manure, in a proportion not exceeding onefifth of the animal or vegetable remains, is speedily rendered mild by the carbonic acid with which should never be thrown on land where a portion me,) as the Hyson Tea, and as you are already in cause, while the quicklime is becoming mild by well as a specimen of the tea made from it, you its readier attraction for carbonic acid, the mag-will meet with little difficulty in ascertaining its nesia, retains its caustic property, and acts as a true character. I am not within reach of any poison to most plants. Caustic magnesia will de-book, or other means, from which I can derive stroy woody fibre the same as quicklime; and in satisfactory information. The directions for culcombination with strong peat, assists in forming a tivating it, and curing the leaves, accompanied the manure. If the peat equal one-fourth of the seed, sent to Mr. Baidwin, of Pittsburgh, during weight of the soil, and the magnesia do not exthe last winter, and was said to have grown in the ceed 1 20th, the proportion may be considered as State of Ohio; they are as follows: "Sow the seed safe. Where lands have been injured by too large "in a rich warm soil, (drills preferred) about the a quantity of magnesian lime, peat will be an ef ficient remedy. See also above. 1. Lime as a "arrive to the height of three or four inches, set

but it does not regain the qualities of hardness it is insoluble in pure water, but soluble in wa- Until further experiments are made, I shall only and cohesion; and differs from what it originally ter containing any acid matter. It forms the was, as powdered chalk from marble, or nearly so, greatest part of calcined bones. It exists in most worth cultivating in any garden for its beauty alone. according to the texture of the fossil burnt. Unexcrementitious substances; and is found both in Respectfully, your obedient servant, burnt limestone, therefore, has neither the solvent the straw and grain of wheat, barley, outs and mixed with earth, while an impalpable powder, state, but in very small quantities; it is general lime of laying on Lime.—Nothing has been ly conveyed to the land by the medium of other plication of lime is most beneficially made: be cause this is quite distinct from an inquiry into the principles on which the good or ill effect of lime ter, phosphate of lime is one of the most service-tanists. He returned them with the following re-

A Dunkirk Journal asserts, that a cloth mer-

TO THE EDITOR OF THE AMERICAN FARMER.

AMERICAN TEA.

Braddock's-Field, Oct. 4, 1824. Sir,-In No. 26 of the American Farmer, your correspondent, on the subject of the Tea Tree, shews more knowledge relative to that shrub than I pretend to; the fact is, that I am an utter stranger to it.

I accidently obtained some of the seed during the early part of the last spring, with directions ont being aware that the same practice had been term counties. Its effects are yet conspicuous how to cultivate it, also to cure the leaves; both already partially tried. ing tea of a very superior, or even a "tolerable," quality, which is the reason I did not send you the

sample promised.

I have, however, sent you a small part of one of the branches, on which are several blossoms, which, if practicable, I beg you to send to your with that he has growing. From his description even disappointed in that, I can with certainty pronounce it a highly ornamental shrub, and as such shall send you some of the seed if our early

Respectfully your obedient servant, GEO. WALLACE.

Extract from another letter of a subsequent date. I herewith send you some of the seed of the "time that beans are usually planted; when they "the plants out in the manner cabbages are, both Magnesian limestones are usually coloured "as to width and distance. Late in August the vouch for its being (as formerly stated) a shrub

> Respectfully, your obedient servant, GEO. WALLACE.

[Along with the above we have a specimen of the Shrub, which is of high and pleasant flavour. The seed are also in hand for distribution to those who would like to plant them. The shrub, with mannie; and is probably necessary to corn crops, the letter of October 4, published above, was and other white crops.‡ In soft peats, or other handed to the author of the communication in marks.—Ed. Am. Farmer.]

"Mr. Wallace may be entirely satisfied that he * General Report of the Agriculture of Scot- is not cultivating either the Green or Bohea Tea, and these, as I remarked before, are the only two known species. I have not been enabled to identify his plant after an examination of the specimen contained in his letter of the 4th, from the circumstance of its being in too dried a state to admit of dissection, although resert was had to the on this subject, which it may be useful to disse- chant of Abbevilie has taught a drake to sing se- usual process of steaming-from its general apminate, as marking the general line of a success- veral airs, and encouraged by success, is now pro- pearance I incline to think that it is a species of ceeding to teach a turkey to take parts in a duet Sida, and as such not remarkable for any peculiar with the quack musician!

[†] Elements of Agricultural Chemstry, pp. 220, 221. ‡ Ibid. p. 228.

TALL MEADOW OATS.

Communicated by the Agricultural Society of the Valley, for publication in the American Farmer.

Caroline, June 16, 1824.

Dear Sir,-As I promised, I enclose you as soon as it was ripe, a small parcel of the Highland Meadow Oal Seed, not knowing how to forward any, except in and hav as above. a letter. A very high eulogy of this grass, would not, in my opinion, exceed its merits. To prevent its growing in tuits, when sown broad cast, it is hav, it was all always scalded. sown thick. To get into seed, this small parcel should be sown in drills, one foot apart, and only one seed as nearly as possible in a place, six inch es asunder. The ground to be rich and well prepared, to be kept clean, and in case of dry weather, moderately watered. It is not proper for wet or reclaimed land. It is two or three years in coming to perfection. It suits well to mix with red clover. It easily sheds its seed, and watchfulness, to save it, is necessary. By cutting it for hay when the seed will partly vegetate abundance may be saved with little trouble, provided the grass is shocked as soon as cut, not moistened with deworrain, over four small sticks two feet apart at bottom, and tied together at top with a wisp of hay, having a flue to this internal operture, made by a log to be laid down whilst The two hind quarters weighed 261 lbs. the shock is constructing, and to be removed when it is finished. The log need only be about six inches dinmeter, taking care to increase the flue to a foot diameter when the log is taken out, by moving it about. By drilling the seed about the last of August, you will get in stock one year sooner. I sow it broad cast very thick with wheat in the fall, or with oats in the spring, mixed or unmixed with red clover. It should be covered very shallow; accordingly the wheat or oats being first ploughed in, the seed is then sown and lightly harrowed. The drilled seed should be covered about one inch. Kept moist, it will in tendance. warm weather be up in a week. Sown with wheat, it will destroy about half the crop. To oats it does no injury. In good land it lasts to a period pot with more water, and simmered from two to wild ball and the cow can be brought together which I have not determined. I have cut, and octubre hours, and then was put in a barrel for use. which I have not determined. I have cut, and oc-three hours, and then was put in a barrel for use. without difficulty, and the impregnation is percasionally grazed the same lots for sixteen years, The quantity of jelly each time was about twelve feet; but the pelvis of the cow is not sufficiently without any top dressing, and without any mate-It resists drought, cold, the tooth, the rial decay. scythe, and the hoof, far better than any grass I ever saw. In saving the seed from hay, the latter should be moved as lightly and carefully as possi ble, to diminish the shattering of the seed as much as possible. More would have been said except for the ill health of, Sir, respectfully, your most obedient servant,

JOHN TAYLOR. To W. M. BARTON, Esq., Vice President of the Agri. So. of the Valley,-Winchester, (Va.)

FOR THE AMERICAN FARMER.

REMARKS ON FATTENING CATTLE.

The value of Flaxseed Jelly for that purpose

Sir,-In looking over some old manuscripts in which I had put down some experiments, I have found the following; and as this is the season that pasture begins to fail, it may be of use to such persons as wish to have good beef at a small expense; I therefore send it to you for publication.
On the 31st day of October, 1820, I had a small

cow about as fat as they generally are on grass I offered her to the butcher for sixteen dollars, but he would not give more than fifteen for herso I put down her value at fifteen dollars.

was scalded with the bran, and given at twice, remind a spectator of the Lion.

viz: morning and evening-the remainder of the mostly orchard grass.

The next five days she had six quarts of corn out no bran.

The next nine days she had twelve quarts of

meal per day in addition to the jelly, bran, and

she cat:

m. cac.		
14 bushels of bran, at 16 cents,	\$2	24
41 do. of corn meal, at 45 do.	1	91
2½ do. of brewer's grain, at 10 do.	0	25
53 cwt. clover hay, at 90 do.	4	95
3 pecks of flaxsced, at \$1,	0	75
Value when put up,	15	00
· ·		

She was killed on the 18th December, and the butcher, who has followed the business a number of years, said she was the first that he ever saw whose hind-quarters were as heavy as the fore-

\$25 10

Total value and expense,

\$16 31 at 64 cents, 2 fore-quarters weighed 261 lbs. at 5 do. 13 05 48½ lbs. rough fat from the entrails, &c.

10 cents. Hide brought 3 00

Total produce, \$37 218 Total cost, 25 10 Profit.

The dung, I suppose, equal to the trouble of at-most nearly allied.

The ilaxseed was put to soak in a can in warm water for two or three days, when it was put in a nish the male, and the Buffaloc the female. The gallons.

The kidney suct after the kidneys were taken out, weighed The rough tallow from the entrails, &c. weighed, 48 lbs.

Total tallow.

much sweeter and more juicy than on any other food.

think she would have amply paid for the expense as she was thriving very fast. I think the addition of tallow would have paid it. J. A.

October 25th, 1824.

1. S. The flaxseed that was boiled each time was six quarts.

> () (111) FOR THE AMERICAN FARMER.

BUFFALOE OXEN.

On the value of, with directions for breeding.

The animal known by the name of the Buffaloe throughout the vallies of Missouri and Mississippi, true that the Buffaloe goes twelve months with differs materially from the Buffaloe of the Old young,) they will probably last longer than the World. At first view his red fiery eyes, his shag-common breed. In addition to these considera-The first sevendays her food was twelve quarts gy mane and long beard, the long lustrous hair tions, the hides are larger and applicable to a great of bran, one gallon of flaxseed jelly, and one bush upon his shoulders and fore-quarters, and the comter number of uses, and the leather is thicken, el of clover hay, cut fine on the cutting box, which parative nakedness of his hind-quarters, strongly softer, and more impervious to water. The full

In the size of his head, in balk, in stature and tay she had the run of a pasture not very good, in herconess, he resembles the Buffaloe of Buffon; but the humps or protuberance between his shoulders, the shape of his head, his curled foremeal per day, with the jelly and hay as above, head, short thick arms and long hind legs mark a much stronger affinity to the Bison.

He carries his head low like the Buffaloe, and bran per day, with two quarts of corn meal, jelly this circumstance, together with his short muscular neck, broad chest and short thick arms, desig-I wenty-six days she had four quarts of corn nate him as peculiarly qualified for drawing: the whole weight of his body would thus be applied in the most advantageous manner to the weight She was fed forty-seven days, in which time drawn. The milk of the female is equal in quality to that of the cow, but deficient in quantity.-It has been supposed that the smallness of the udders is more remarkable in those that have the hump large, and that the diminished size of the hump is evidence of a more abundant secretion of milk. The hump when dressed, tastes like the udder of a cow and is deemed a delicacy by the Indians. But there is one other particular which distinguishes the Buffaloe of the new world from its eastern namesake more distinctly than any variety of conformation could do. The cow refuses to breed with the Buffaloe of Europe; and such is the fixed aversion between these creatures, that they always keep separate, although bred under the same roof and feeding in the same pasture. The American Buffaloe (on the contrary) breeds freely with the domestic cattle, and propagates a race that continues its kind. Many of the landholders in Louisiana, like the Patriarchs of old, possess thousands of cattle which graze at liberty in the uncultivated prairies. These herds cost their owners little more than the trouble of marking them, and the expense of salting once or twice in a month to prevent them from becoming wild. By occupying the same pastures they have \$12 112 become so much intermized with the Buffaloe. The head, tripe, &c. paid for the butchering - that it is difficult to say to which race they are

In procuring the cross it is necessary to observe one precaution. The domestic breed must furcapacious to allow the passage of the Baffaloc's feetus with its hump. The pelvis is the circular bone which connects the spine with the thigh bones, and when the fætus from disease, or any other cause, is too large to pass through it, the female must necessarily die in labour. This fact 88 lbs. constitutes the principal obstacle to the introduc-I have always found beel fed on flaxseed jelly tion of the half breed in the old settlements. It would be easy to catch and tame a single male of the wild breed, and to obtain any number of im-I was very sorry after I had killed her that I preguations from him; but it is difficult to prohad not kept her for about one month longer, I cure, and still more so to confine a sufficient number of wild females. The amazing strength of the head and breast enables them to overset the strongest fences by running against them; and nnless they are caught very young they can never be effectually tamed. Nevertheless, some enterprizing farmers in this State and Missouri are introducing the breed. Captain Jenkins, of Rutherford county, has one three years old and one two years old of the half blood, and several calves of the quarter blood, all of which are large for the page, and promise well. The advantages proposed by the introduction of this breed are, that the oxen thus raised will be stronger, less sluggish, more hardy, and more easily kept, and (if it be grown Buffaloe on the Missouri are said to be

from sixteen to eighteen hands high, and as the jows of sulphur mixed with treacle are to be given kind of sac, formed by that portion of the peritobody is larger in proportion to the height, than in the finest of the imported breed in strength and the hunter's dogs and prairie flies, conspire to prevent them from attaining either full size or Thus much at present from your RUSTICUS JUNIOR. mature age. sincere friend,

Nashville, (Tennessee,) Oct. 10, 1824. - THEREIN () MILLION

DISEASES OF DOMESTIC ANIMALS AND THEIR CURE.

Quinsy .- Sore Throat. This disease frequently occurs to horses, and is often a symptom of catarrh or cold. The chief symptom is great pain and difficulty in swallowing; it is generally accompanied with fever in a greater or less degree, disease is sometimes asthmatic. In some instan-In the first place bleed freely, then blister the throat. The head should be steamed frequently, fusion of coagulable lymph in the windpipe. It and the horse should be offered some good gruel very often, on account of the difficulty with which he swallows. The head should be kept warm Some time ago, I examined a very bad roarer, with a hood, and the legs well rubbed and bandag-that was destroyed on account of the disease, as ed. No medicine should be forced down the it rendered him nearly useless; and found an ulthroat until the soreness is quite gone, and he is cer within the larynx, on one side only; all other able to swallow freely; a laxative may then be parts healthy; since that I have met with a simigiven, or small doses of nitre and emetic tartar.

Red Water .- Under the article Bloody Urine, a disease of this kind has been noticed which cine to a disease in sheep, which appears to resometimes happens to horses, and more commonto be of a different nature. This disease often ted with tubercles and abscesses, and there is attacks cows, and is generally considered dange- generally water in the chest or belly. The discommonly proves fatal in seven or eight days .-cow separating herself from the rest of the herd, different names, such as the pulmonic, hepatic, and having little or no appetite; the hair stands and general rot. Bakewell, Mr. Lawrence says, far advanced, appear strik in the head; the urine their premature unsubstantial herbage, ever ocis of a red colour, and voided after a considerable casion the rot, which was not induced by rains, effort. The bowels at hest are generally loose, the water of which did not flow, or by springs .but soon become coscive; a circum stance that It seems he could not his sheep at will by flood led; if it be superficial, it will be sufficient to fill must be guarded against. The discusse is attending his land, which he was in the habit of doing the crack with the subjoined composition, and by ed with fever. Give, in the first slace, a pound with such of his improved stock as he wished to keeping the foot cool and moist, remove the conof Glauber's salt in about two parts of gruel, in keep out of other breeders' hands. Land flooded tractile disposition by which the crack has been order to clear the stonged are bowels; when after the middle of May, of whatever kind the caused; but when the crack has extended to

Tincture of opinion, baif an ounce; Acetate of lead, one dram; Catechu, half an ounce;

berries, &cc. This disease must be distinguished to rest, far less to remain on such dangerous laythere is a tenderness of the lains, stiffness of the rest, particularly by night, and receive a sufficien-motion of the hind parts, and fever; here bleed- cy of dry food, either hay or straw. An ingenious ing would be proper, covering the loins with a treatise on this subject has been published by Dr. filled with the composition, and the horse turned sheep's skin, a dose of castor oil, and an anodyne Harrison, who seems to be of Bakewell's opinion to grass in some soft mearlow ground. Before the Sheep, there is a disease termed Red Water de deed, attribute it to eating of rank pasturage, but crack is should be made lower than the other; scribed, which appears to be very different from the foregoing. "It consists in an inflammation arise from land that has been flooded: he agrees, three or four weeks, as the horn will in this time of the skin, that raises it into blisters, which con- however, with Mr. Lawrence as to the mode of have grown down, and be again receiving prestain a thin, reddish, and watery fluid. These prevention. It is an extraordinary circumstance, sure from the shoe. By this treatment of the discontinue for a short time, break, discharge this that in the beginning of this disease, sheep are ease the crack will be found to recede from or be matter, and are followed by a blackish scab. In more disposed to feed than usual, and increase in more distant from the coronet as the heaf grows cases where the disease is violent a little blood fatness. should be taken. The sheep should be put into a Ruhture.—Burstanness, Film-broken.—A swellfold by itself, the blisters slit up, and a little of ing caused by the protrusion of some part of the the infusion of tobacco put into them: two oun-bowels out of the cavity of the abdomen, into a

for three or four mornings successively. If this neum which is pushed before them. In the horse the domestic cattle, they must greatly exceed is found unsuccessful, mix with the above hall an ruptures generally happen in some part of the ounce of nitre; after which, a dose of salts is to belly, and may be distinguished from other swell-

Roaring .- A disease which takes its name from the wheezing noise the horse makes in breathing, when put into quick motion. It is supposed by most veterinary writers to be caused by an effu of this disease, which dealers distinguish by appropriate names; such as a wheezer, a whistler, a high blower, a trumpeter, &c. I believe the ces, but seldom perhaps, it may arise from an efwhich causes roaring is seated in the larynx.llar case.

Rot.—A term applied by writers on cattle medisemble pulmonary consumption, complicated with ly to marcs; but the red water of cattle appears dropsy; as on dissection the lungs are found knotrous; unless the animal is seasonably relieved, it ease often affects the liver also, and sometimes the inside, on account of its being the weakest. other internal parts, as the mesenteric glands, The first appearance that attracts notice is the &c. The rot has therefore been distinguished by on end, the eyes are dol, and, when the disease is was strongly of opinion, that flooded lands, and the The crack sometimes does not extend to the this has operated, let the following drench be soil might be, would, in his opinion, infallibly rot the sensible parts, there will generally be seen given:

the sheep. Mr. Lawrence, however, very pro-some fungous flesh, which is caused by the prespurly rather attributes the disease to the colds they catch in these wet situations, and which are laminated or elastic membranes. Such horn is afterwards neglected. As the disease when est to be carefully removed with a small drawing Gruel, one quart.

Should this fail, the proportion of tincture of great importance; and Mr. Lawrence observes, bould this fail, the proportion of tincture of great importance; and Mr. Lawrence observes, bould necessity oblige the farmer to feed his vented by binding on it firmly a pledgeto: roll of and perhaps the addition of some powdered alum sheep on swampy grounds, wet fallows, or lately lint or tow supped in tar, or tar outment, which may render it more effectual. Some writers have flooded lands, two precautions may ensure the recommended turpentine, vitriolic acid, bole, bay safety of his flock; namely, not to suffer the sheep from inflammation of the kidneys; in which there ers; but to pick as much grass as may be deemed is a constant desire to state, while only a very expedient, and then be immediately driven either to be applied so as not to bear on the diseased small quantity of red coloured mine is voided; to high and dry grounds, or folds where they may quarter; that recommended for corns will best cluster. In Sir George Mackenzie's Treatise on as to the origin of the disease; he does not, in shoe is applied, the quarter in which the sand rather to some nozious invisible vapours, which and it is necessary to examine the foot once in

weight. In the neighbourhood of the settlements be given, and the body washed with lime water." ings by disappearing when pressed upon by the Ringbone .- A bony excrescence on the lower fingers, by which the gut is put back into its napart of the pastern, generally, but not always, tural cavity, and returning as soon as the pres-causing lameness. The only effectual remedy is sure is withdrawn. A rupture sometimes hap-Firing; and the earlier this is done the better .- pens in the scrotum, or testicle bag. I have known several cases of rupture, both of the belly and scrotum, where the horse did his work as usual, and suffered no inconvenience from it. The following case, in which an operation was successsion of coagulable lymph in the windpipe; and is ful, I have received from a correspondent of conconsidered incurable. There are several degrees siderable experience. "A colt was gored by a bull, the rim (muscles of the belly) was broken it one place, the skin at another; the intestine ran between the rim and the skin, but did not come through the skin. He was thrown on his back, the intestine was returned, and the skin sewed up. A wide bandage was then applied, appears to me, that the obstruction to breathing and in a short time he became perfectly sound, and sold for a good price." In the human body, the protruded gut is sometimes strangulated; that is, it is so compressed by the ring or aperture through which it has passed, as to become inflamed; attended of course with violent colic. It is often found necessary in such cases, to open the skin carefully, and by a blant-pointed knife, guided by the finger, to enlarge the opening or ring, so that the bowel may be returned. Gibson relates a case of strangulated rupture in a horse, which proved fatal.

Sand Crack .- A perpendicular fissure or crack on the side or quarter of the hoof, generally on When a sand crack takes place in the hind foot, it is commonly in the front part of the hoof. Sand cracks seem to arise from a tendency in the horny matter to contract at a time when it is rather britsensible parts; at others it is deeper, and causes considerable lameness. The shoe being removed, the extent of the crack is to be carefully examinkeeping the foot cool and moist, remove the concrused; but when the crack has extended to some fungous flesh, which is caused by the pressure of the edges of the cracked horn upon the must be continued until the fungus is destroyed. The whole foot is to be kept moist with a bran poultice for a few days, or until it has become cool, and the lameness is removed. A shoe is then answer the purpose. When this has been done, the pledget of tow should be removed, the crack till at length it totally disappears.

Composition for Sand Crack: Bees' wax, four ounces; Yellow resin, two ounces:

Common turpentine, one ounce; Tallow or suet, half an ounce.-To be melted together.

Comment of the second SCRAPS-FROM LATE ENGLISH PAPERS.

The frequenters of the upper galleries in a Lon upper region is termed le Paradis.

The Discovery, in which, accompanied by the Resolution, Captain Cook made his last voyage. and which, after his death, February 14, 1779, at

barrels of cured herrings.

The Bury Post says,-A woman, aged 18, was

ing crops of corn, near Dunmow, Essex, by the latter,) such a fellow as you ought to be drawn on calamitons hail-storm of the 14th of July, amounts nothing but a hurdle " to £14,827 6s. 5d.; that its effects were felt upon 3187 acres of land occupied by 77 persons.

The Stone Bridge, of seven arches, across the Thamesat Kew, with the tolls arising therefrom,

was lately sold by auction for £19,800.

than 600 leagues of coast; our canals in length upon us in the one case, nor do events depend upon tentive to this useful branch of domestic employ-1,000 leagues; our roads, 46,000 leagues; and us in the other; but it is the manner of applying ment. that even the pipes for conveying gas and water them that occasions the difference of success. through the streets of London reach to four hundred leagues .- London Paper.

Manchester, who profess as one of their leading

loured shoes.

fused.

Church, in London, to the 200 mile stone on the Hanover, 1,305,351; Wurtemburg, 1,595,662; and Carlisle road, and back again, in five days and Baden, 1,002,000. twelve hours, which task he performed twenty minutes within the given time.

A subscription is opened to relieve nearly one hundred Italian gentlemen expelled from their country for political offences, and now in England,

in a starving condition.

A French surgeon lately produced an ox's brain before the Society of Medicine. It was not only petrified, but had acquired the hardness of flint.

1. On some of the Diseases of Sheep, by Dr The butcher, with all his might, could not cleave S. L. Howell, of New Jersey. The diseases oc it asunder. It appeared like a piece of rock-work, curred in a large flock of merinos, chiefly im-What is here remarkable, this ox was both fat ported. With the exception of worms in the and vigorous, so as to break loose four times from frontal sinuses of the head, and the sore in the the butcher; whereas the only instance of a pe-claws of the feet, the complaints proceeded from trified ox's brain on record is that of Bartholin's too full feeding on Indian corn during winter .ox, killed at Stockholm; but that ox was very Many ewes lost their lambs from this cause .lean, appeared sickly, went always with his head Ample experience has confirmed the theory of down, which determined the owner to part with Dr. H. Breeding ewes ought not to be allowed

Ligcester Chronicle) in his possession a mare that respect during the summer; for, if permitted tions of their industry and ingenuity.

tour years old, and is capable not only of carrying a great weight, but of running at great speed.

It is noticed as extraordinary, that scarcely any wasps have been seen in England, during the pre

sent summer.

o'clock, and found not to have leaked one drop.

has undergone considerable alterations to adapt it a preparation of the finest quality of rags, and is lit was easily cured by washing the part with soap for the purpose, but the hull and exterior remain in a state of perfect soundness in their original stare.

An old man, named Crossman, died last week at Bridgewater, who had kept his coffin by him for the last fifty years, and used it as his cupboard. The French paper-material for the last fifty years, and used it as his cupboard. The French paper-material for the last fifty years, and used it as his cupboard. The French paper-material for the last fifty years, and used it as his cupboard. The French paper-material for the last fifty years, and used it as his cupboard. The French paper-material for the last fifty years, and used it as his cupboard. The French paper-material for the last fifty years, and used it as his cupboard. The French paper-material for the last fifty years, and used it as his cupboard. The French paper-material for the last fifty years, and used it as his cupboard. The French paper-material for the last fifty years, and used it as his cupboard. The French paper-material for the last fifty years, and used it as his cupboard. The French paper-material for the last fifty years, and used it as his cupboard. The French paper-material for the last fifty years, and used it as his cupboard. The French paper-material for the last fifty years, and used it as his cupboard. The French paper-material for the last fifty years, and used it as his cupboard. The French paper-material for the last fifty years, and used it as his cupboard. The French paper-material for the last fifty years, and used it as his cupboard. The French paper-material for the last fifty years, and used it as his cupboard. The French paper-material for the last fifty years, and used it as his cupboard. The French paper-material for the last fifty years, and used it as his cupboard. The fifty years are for the last fifty years, and the napplying sturgens of the fifty of the fifty y year, during which a bounty was paid on 27,857 ed the secret will soon be purchased by some of the manufacturers in England.

apprehended there upon a Judge's warrant, for and plagued the artist in determining whether he progress of the silk worm, from the viviheation marrying three husbands, the last of whom she should be painted on panel or canvass. "But how of the egg, to the formation of the cocoons; acwas then living with in that town." he at last asked the companied by a neat model of a silk reel import-Upon a valuation, the damage done to the grow-irritated man of talent. "On wood, (roared the ed from France.

Captain John Dundas Cochrane, in the preface

The following exhibits the population respecaccomplished one of the greatest feats of that use Codfederation, as taken from the latest lists in the less kind on record. For a wager of two hundred archives of the Diet: Austria, 9,482,277; Prussia, France. sovereigns he undertook to walk from Shoreditch 7,953,341; Bavaria, 3,523,000; Saxony, 1,203,000;

Communicated for the American Farmer. PHILADELPHIA SOCIETY FOR PROMOTING AGRICULTURE. Stated Meeting, September 19.

O OFFICE

The following Communications were made:

1. On some of the Diseases of Sheep, by Dr. to grow too fat; and even store sheep, intended

with seven legs and feet. She is thoroughbred, to grow very fat by feeding on rich pasture, and afterwards to fall away during winter, their health often suffers, and the quality of the wool invariably deteriorates. These effects may be prevented by extra food during winter, but this is attended with expense and trouble. The great object An experiment was lately made in Kendal, at in sheep-breeding should be to keep the flock in don theatre, are called the Gods; in Paris the the shop of Mr. Phillipson, to ascertain the pow- as equal condition as possible, but not fat, all the ers of a certain newly invented waterproof cloth, year round; in the grass season, by confining them It was taken down on Friday afternoon, at two to a short bite; and during the winter, by a steady and measured allowance of Indian corn as of-A discovery has been made, in France, of a material capable of superseding the use of rags in soft hay. The sore in the feet was confined to Owyhee, arrived at Sheerness, Sept. 21, 1760, is terial capable of superseding the use of rags in soft hay. The sore in the feet was confined to now the convict ship at Deptford. The interior paper making: it is a composition that resembles those sheep that had been kept on wet pastures. has undergone considerable alterations to adapt it a preparation of the finest quality of rags, and is It was easily cured by washing the part with soap

2. Mr. J. Vanderkamp sent some remarks of the late Mr. Paul Busti on the cultivation of the An eminent portrait-painter, puzzled himself white mulberry tree; and also his journal of the

3. Mr. Wm. Short sent specimens of cocoons and sewing silk from Hamilton county, State of It is said, that a peace of lime, the size of a wal- Ohio. The worms had been fed on the leaves of nut, fut into the water in which potatoes are boil. the common native mulberry. He stated that he ing, will be found to have the effect of rendering had been informed, that the raising of the silk the heaviest potatoes light and farinaceous. "Life," said one who had seen much of it, "is of Ohio, and that the sewing silk made there M. Dupin says, the number of our harbours, like a game of backgammon; the most skilful served as a substitute for coin, being bartered for docks, piers, and lighthouses, extend over more make the best use of it. The dice do not depend the articles wanted by the farmers, who are at-

4. Three volumes of Memoirs were received Malt liquor and cider may be prevented from from the Royal Society of Agriculture at Paris, becoming sour, by adding four hounds of tousted for the years 1822 and 1823. The preceding rolling four pounds of tousted for the years 1822 and 1823. The preceding rolling four pounds of the years are in the library of the Society

The Minister for the department of the Intetenets, to wear sky-blue stockings and orange-co- to his work lately published, entitled "Narra- rior, Mons. Corbiere, annually opens a public ured shoes.

tive of a pedestrian Journey through Russia and meeting of the Society by a discourse on some Harrict Bryant, who ascended with Mr. Green Siberian Tartary," &c. states that the expenses subject connected with its pursuits. The volumes in his balloon, is only 14 years of age; she was of his journey from Moscow to Irkutsh, which by contain, among many useful papers on other suboffered, by four different gentlemen, £50 if she the route he went, was 6000 miles, "certainly fell jects, several on the diseases of domestic animals, would resign her place in the car, which she reshort of a guinea!" and wells, to land: numerous engravings are giv-Alfred Macgowal, a northern pedestrian, lately tively of the seven principal states of the German en, to illustrate the modes of irrigation proposed, and actually in operation in different parts of

5. Dr. Ghirardi of Florence, who attended the meeting of the Society, presented the third volume of the transactions of the Imperial Academy of Agriculture and Economy of that city. Many of the papers are of a local nature, but there are some of general import on manures, -on insects that infest wheat, and on regulating the courses of rivers, and their application to the proposes of irrigation.

6. Count Von Hazzi, on the part of the Economical Society at Munich in Bavaria, sent three volumes of the Weekly Journal published by that association. They embrace every subject connected with agriculture and domestic economy, and the papers are accompanied by cuts and lithographic engravings, when necessary for illustration. The preceding volumes were received some time since.

At a late annual fair in Pawtuxent, Rhode Is-Mr. Checketts, of Bolgrave, has now (says the to be kept over wint r, should be attended to in land, 25 ladies received premiums, for produc-

distance was 4 miles and repeat; each colt to cary the performance was as follows:-125 pounds weight; Count Piper was rode by Mr. Laird, who bred him, and Lance by Mr. Purdy. More skilful riders, perhaps could not be found in the United States. The result has shewn that colts of this age can perform more than the breeders of horses or sportsmen have been accustomed to believe. Ninety pounds, by the English rules of coursing, are the weight agreed upon for three year olds, - and 98, by the rules of our course, at Jamaica; and then seldom do they run more than two mile heats at that age. In this match the first 4 mile heat was run, each colt carrying 28 pounds over the usual colt weights, in eight minutes and twenty five seconds, which is a greater performance than any thing we have yet dy taking the lead, but was passed by Laird in during the quarter commencing on the 5th July, the first half mile. In the next half mile Purdy 1824; ending on the fourth October, 1824. regained the ground he lost, passed Laird, took the lead and kept it until they had entered upon the fourth mile, when Laird suddenly made a run, shot ahead and maintained his superiority to the end of the heat; coming in about three lengths ahead of his autagonist, notwithstanding all his active and persevering exertions. Second heat, Laird took the lead and kept it with ease to the end of the race, winning about four lengths-time 9m. 30s. Both colts run remarkably true, and shewed great strength, bottom and speed. Should no accident happen to them until they become aged horses, they will be able to contend with any thing that can be produced upon the turf.

Seven pounds is considered equal to a distance. As the colts carried 27lbs, over weight, there were 4 distances against them. Upon this calculation it is greater running than that of Eclipse

and Henry .- New York Paper.

accounts. [] emerge

Extracts from " ANNALS OF SPORTING," for Jugust, 1824.

"in our records of animal exertion, of what made by the other sex :-

mentioned in the papers, was inn over the Union Kennington-Common, between two gentlemen humility and industry taught to your pride of Course, at Jamacia, by two three year old colts; named Lawrence and Brown. It was who should southern education and habits, in the person Count Pifer, a Jersey horse, by Expedition; and run, walk, and walk backwards, each a mile, in of a gentleman who, in the field, exhibited the Lance, an Eclipse colt, owned in this city. The the shortest time. The stake was 50 sov's, and skill of a first rate ploughman, successfully we

MR. LAWRENCE. Ran : : : : : I mile 6m. 30s. Walked: : : 1 mile 16m. 25s. Ditto back : : 1 mile 18m. 3s.

34m. 58s.

MR. BROWN. Ran : : Walked : : : : 1 mile 7m, 10s. : : : 1 mile 11m, 42s. Ditto back: : : 1 mile 16m. 2s.

34m. 54s.

Thus winning by only four seconds.

The Party of

	Domestic growth.	Growth not of this state.	Re-in- spected.	Total.
Number in- spected.	233		9	242
Number de- livered.	258			258

JOHN C. MOORE Inspector.

TRASURY OFFICE, ANNAPOLIS, Oct. 29, 1824. in this office.

THE FARMER.

BALTIMORE, FRIDAY, OCTOBER 29, 1824,

CATTLE SHOW, No. II,

Of the Pennsylvania Agricultural Society.

kind soever, we have always hailed with most de-great Agricultural Exhibition, which washeld at try, in all that concerns the landed community; light those which conduce to some useful pur-Chester on the 14th and 15th ult. The badness that community which is at once the parent and pose; or evince, in the performance the greatest of the weather on the preceding day, did not deter the nurse of all that is most substantial and vaportion of mind; and in this light we view the us, as it is said to have done many others of Ma-luable in society.—Such my worthy readers, farfollowing account of a trial of skill and industry ryland, who tarked! and talked! and talked! of mers, and farmers' sons, is but a bird's eye view Spinning match.—At Galway, on Whit-Wedmany similar occasions, easily evaporated by too Cattle Show.—Such in part at least, is what you nesday, in the gardens at West-house, the seat of truth heat, or congealed by too much cold, or may expect to see at the approaching Shows in the Port Collector, there was a trial of skill in method by too much rain. A kind of zeal which Maryland. Who can say that sach opportunities the art of spinning by several young women; and kindles readily enough over a good fire and a premiums, consisting of a new wheel, a handsome glass of generous wine, and flies off in having a glass of generous wine, and flies off in having a deserving. About thirty competitors started, each of the Navy had "a great mind" to embark in and old? The Merchants—they have their Exsected under a tree in the shrubbery, and dressed the lazardous and fameless duty of catching Pichange where they daily neet, to understand and seated under a tree in the shringher, and dressed the hazardous and fameless duty of catching Pi-change where they daily meet, to understand and in her holiday clothes. By a signal bell, they compared their work at two o'clock, each being and then, like the Maryland Farmers, who could they have their Colleges and Schools to elevate previously furnished with an exact half-pound of so easily have visited the Chester Show, they more and more the dignity of their Profession. flax, which she was to convert into the greatest had a greater mind to-stay at home .- So we dare The Lawyers-they swarm, like Egyptian locusts,

Match Race .- Or Thursday match race the day, July 21, a curious match was performed on the first place, you would have had a lesson of believe, contending for the highest premium, and who was no other than the Register of Wills and Clerk of the County; and who might have been compelled to yield the proud trophy to the yet superior admitness of one of the Judges of the Court, if official business had not taken him away! -You would have seen, in fact, an immense assemblage of wealthy and working Farmers, qualified by practice and education, alike to hold the plough, or to wield the pen; this was characteristic of nearly all, from the President, late an enlightened member of the Senate of the United States, down through all grades of the Society. More-you would have seen a splendid display

of Domestic Animals; among these, twenty STAL-LIONS, of superior figure and capacity for all the Seen on record in the English sporting calenders. A report of the tobacco inspected at and deli. valuable uses by which that noble animal condu-They started kindly at the tap of the drum, Purvered from Piscataway Inspection Warehouse, ces to the safety, pleasure, and comfort of man. You would have heard the points and qualities of each animal, pointed out and criticised by men who have an eye, and a taste for such things .-What more? you would have seen displayed on the field many individuals of Col. Power's fine stock of imported, and native IMPROVED SHORT-HORN CATTLE, with some North Devons, and many fine specimens of home breed, and the fruit of various crosses, exhibiting the effect of mixed bloods of various degrees.-Morcover, you would have seen, of Sherp, six hundred full bred Merinos, being part of a single flock of 1500, all in TRASURY OFFICE, ANNAPOLIS, Oct. 29, 1624. high health, with clean noses, rosy skins, lively True Copy, from the original report on file eyes, and silk-like fleeces—together with numerous pens of Dishleys; and BROAD-TAILS, mixed B. HARWOOD, Tr. W. S. Md. with both the other two. Above all, you would have seen order, regularity, sobriety, and a deep heart-felt interest in what was going on, by the solid land-holding, and land-working yeomanry of the State; put in earnest action by the zeal and talents of an individual, who, being blessed with the advantages of easy fortune, classical education, science, and travel; now finds his greatest pleasure in employing all these, in projecting and prosecuting plans to enlighten and meliorate the We are waiting for the official account of this condition of the Farmers of his State and coungoing: but whose zeal was on this, as it is on of what you would have seen at the late Chester was, that Kitty O'Neil, a native of Newry, but we shall see.

of late a resident in Galway, got the first pre
in the former case the loss was, in the latter

The Manufacturers, great and small; be they the mium, having spun her tull half pound hank nearest to the pattern, in four hours and 13 minutes.

The next best spun 83 cuts in the above time, and the others followed in a near progression.

The other days are not how knyw sons of Vulcan, or of Crispin; the workers makins, ons of Vulcan, or of Crispin; the workers makins, whether of bulls, or beavers; the Knights of the bc, yet he could not have failed, if he had eyes to see and ears to hear, to have derived nuch pleasure. Three species of speed, equal to the hop, step, both seen and heard. And what then, perhaps, and jump fancy. At an early hour, on Wednes-says the reader, should I have seen? Why, in mers, scattered over the face of the land, are

driven up, one by one, to be picked like geese, by the "knowing ones." And now, when associaof their best practices and productions of their labour; for devising the means of political security, and of improvement in all the branches of not a little corn to be pulled, or a little wheat to teresting. be sown, or a beef to be killed, or a cow-pen to be moved, or if he could go and come without buying a new bonnet for his daughter, or a new gown for an honest help mate, who has been toiling all Cattle Show.

reports of the Chester Show are received-they will be given in our next.

bit at the Cattle Show on the Western Shore, are ways been paid, is to give to its subscribers cor- It was sent by Gen. H. A. S. Dearborn, of Rox-earnestly requested to give notice forthwith, to rect intelligence as to the principal bury, and added much to the interest of the ex-J. S. Skinner, Postmaster of the City of Baltimore, articles which they have either to buy or sell hibition. The hive is of globular form, was fil-

dred bushels of wheat, sowed with even hand, we hope will wear off.

Household Manufacturers, to any which may at any time have been made heretofore, however remote, within the State, and in the family by a member of whom it may be shewn. But, after this Show, the premiums will be bestowed only on such articles as may be hereafter manufactured; nor will they now be given to any article which has heretofore taken a premium.

Treatment which has heretofore taken a premium.

the "knowing ones." And now, when associa-appointed for the Maryland Cattle Show, for the fine spangled tobacco, sold for \$20; the rest of tions are formed and premiums held out to bring Western Shore of Maryland, will be published in his crop at very low prices. Tobacco of the them together for the interchange of ideas and the next number of the American Farmer, also best quality would command as good prices now information; for the exhibition and comparison the regulations for the government of that exhi-as at any time this year. It is impossible to say

the bosiness by which they live, why! some of to be brought, the expectation may be entertained the bosiness by which they live, why! some of to be brought, the expectation may be entertained hogs, as at every thing else on a well managed them will come at the call, if perchance there be that the next Cattle Show will be very full and in-farm, saw that they were young, with corn lay-

Trustees, at their meeting at Lexington, the re- weather gage of him. He doubts if the price sidence of David Williamson, Jr. requiring each will settle down at more than \$5, though he the year for his comfert and estate; or if, above Member of the Board, and requesting every Mem- wishes it may. Editors of papers disposed to all, it should happen not to threaten rain—if per ber of the Society to bring, themselves, and to use as a part, are requested to copy the whole of adventure, all these, and a thousand more ifs their influence to prevail on their neighbours to the foregoing, and the short table of contents should not interfere, why then he will go to the bring, any thing on their farms of merit at all re- which follows—Cot fair as the boys say, that's markable. Should this be done, we shall have all! P. S. Since the above was in type, the official an exhibition at which we may be proud to have

The One of the leading objects of the American filled with honey, as the bees had left it, particular All those who may have any thing to exhi-farmer, and one to which strict attention has all larly attracted the attention of the spectators. in this market. In our last we intimated that led by the bees in twenty-two days, and is estimated to weigh nearly an hundred pounds. The exryland, will not preclude the owner from taking a we have hitherto been. The following items the cause of humanity, as four only of those use-premium for the same object on the Western have been collected by the Editor in person, who ful insects, the bee, were found in the hive when Shore, and vice versa. intercourse with gentlemen here, who deal in -The Trustees met, according to appoint the staple productions of the state, either on ment, on Wednesday last, at Hayfields, being just their own account, or as agents selling on comtwelve months since their former meeting at the mission. He takes pleasure in informing the same place. They were led by the owner, who Farmers and Planters that in rendering to them perty of the late Frederick Skinner, now of Mrs. does not ride a "white horse," over every part of this agreeable duty, their agents assist him with Sarah Skinner, near the Court-house in Calvert his large farm, and every where were evidences all possible courtesy and candour, giving readily county, of this State. of skill and sound judgment—work every where the information he seeks. He does not believe the information he in the infor

timothy, for the scythe, in 1827—on which the lime of 1824 will tell well.

To give greater variety and to attract more attention to that branch of their exhibition, the Transfer will award the President of the Trustees will award the Premiums allotted to 98-Best white wheat for family flour, from S1 5

The names of the Judges and Committees hogshead of Joshua Warfield's, of Anne Arundel, what Pork is going to sell for this fall. The Editor of the Farmer stopping with a friend on From the notices already given of things the road last week, and looking at his pen of ing by them, and considering these to be essential signs of good pork, engaged his year's supply A Resolution was passed by the Board of at So; but he rather thinks his friend got the

At a Brighton Fair, last week, a glass bee hive,

For Rent or Lease,

THE FARM AND GRIST MILL, the pro-

It is the object of the present proprietor to rehave just risen with vigorous shoot above the ground—every thing attested the keen eye of the but it may be remarked that the new crop has of her children, and she desires therefore rather ground—every thing attested the keen eye of the master—the ready apprehension of the manager to "catch his ideas"—and the steady hand of the faithful servant to perform the labour. It was whispered that Col. Bosley would invite the inspection of the Committee appointed to award the premium for the best cultivated Farm. He is now ploughing his pasture with three large horses, meaning to spread on one hundred bushels of lime has a special property of the cultivation of the committee appointed to award the premium for the best cultivated Farm. He is now ploughing his pasture with three large horses, meaning to spread on one hundred bushels of lime has a special property of the cultivation of the committee appointed to award the premium for the best cultivated Farm. He is now ploughing his pasture with three large horses, meaning to spread on one hundred bushels of lime has a special property of the cultivation of the manager of the remarked that the new crop has for her children, and she desires therefore rather most property to get a good tenant on a long lease, than to obtain a high price. To any industrious man, with would rent, (or prefer to lease) on moderate terms, both the farm and the mill. To such a person she would hire the negroes, men and women, and dispose of all the domestic animals, and live stock meaning to spread on one hundred bushels of lime has a special property of the control of the contro meaning to spread on one hundred bushels of lime hyson, \$1 12\frac{1}{2}\$ to 1 25—brown sugar of best quality of different kinds, necessary for the cultivation of Indian corn next year—that to be succeeded lity, 12\frac{1}{2}\$ per pound, or \$3 for 28 pounds—Coffee, the farm and for the use and consumption of those by small grain in the fall of 1826-with clover and 183-Pepper, 25 cents-Allspice, 30 cents-employed on it; or, having first rented or leased

J. S. SKINNER,

Post-Master of Baltimore.
P. S. The Editor will thank any of his friends, who will contribute to the diffusion of the above

CONTENTS OF THIS NUMBER.

Treatise on Soils and Manures, by a practical Agriculturist—American Tea—Tall Meadow Oats—Remarks on which has heretofore taken a fremium.

The which has heretofore taken a fremium.

We understand General LA FAYETTE has been invited to attend the Agricultural Exhibition at Easton, in this State, on the 18th inst.

The Horizontal Hay be already at the price of this article; fattening Cattle—Buffaloe Oxen—On the Disease of Domoston in the Disease of Domoston in the Disease of Domoston in the Agricultural Exhibition at Easton, in this State, on the 18th inst.

PENNSYLVANIA AGRICULTURAL SOCIETY.

The second annual exhibition of the Pennsul vania Agricultural Society was held on the fourteenth and 15th instant, at Chester, in Delaware county.

The usual arrangements being made, the various committees proceeded upon their duties, and presented the following reports, which were, by

the directors, confirmed.

Mr. Worth delivered an excellent address, The Society afterwards assembled on the ground, where they were gratified by receiving the presidents and officers of the Franklin Institute, of the Philadelphia, Bridgeton, New-Branswick, and Bucks county Agricultural Societies, as well as many distinguished gentlemen from Delaware, Carolina, Maryland, and other States.

The committee for neat cattle report that they consider the following persons entitled to premiums:-

John Hare Powel, for the best bull not more than six, nor less than two years old, \$40, for Bishop, an imported thorough bred "improved Durham short horn bull," bred by Mr. Curwen of Cum-

berland. Premium relinquished by Mr. Powel. Thomas S. Woodward, for the next best, \$20, for Oakes, from a native cow by Cœlebs, an im-

ported improved D. S. H. bull.

Henry A. Carpenter, for the next best, \$10, for Lothario, bred by Mr. Powel, dam Rose, an "imported D. S. H. cow, by George, an improved by premiums, the following animals were presented:

Manuel Eyre, for the next best, \$5, for Leopard, bred by Mr. Eyre, derived from Mr. Heaton's Mr. Joseph Davis's very large and well fed steer, importation of Teeswater blood. Premium re-

linguished.

John Hare Powel, for the best bull not more than two years old, \$25, for Wye Comet by Blaze, dam White Rose, both bred by Mr. Champion, in England. Premium relinquished.

John Hare Powel, for the next best, \$15, for Sussex, bred by Mr. Powel, sire and dam both bred in England. Premium relinquished.

Henry A. Carpenter, for the next best, 310, for Leopold, bred by Mr. Carpenter, from Rose, by Mr. Powel's half bred bull Rob Roy.

John Hare Powel, for the next best, \$5, for Rake, bred by Mr. Powel, by Bishop, dam Flora, an imported D. S H. cow. Premium relinquished. John Hare Powel, for the best cow, not more than

seven, nor less than three years old, \$25, for Shepherdess, a thorough bred improved D. S H. cow, bred by Mr. Champion, in England. Premium relinguished. John Hare Powel, for the next best \$20, for Fairy

bred by Mr. Powel, by the thorough bred, imported improved D. S. H. bull Denton, dam Prize. Premium relinquished.

John Hare Powel, for the next best, \$10, for Flora. Premium relinquished.

Henry A. Carpenter, for the next best, \$5, for Prize, ahalf bred cow, purchased of Mr. Powel

Dr. Elmer, of New Jersey, for the best heifer not more than three, nor less than one year old, \$20, for Flirt, 3 blood, bred by Mr. Powel, by the imported bull Denton, dam Julia, grand dam an imported Devon cow. Premium relinquish-

Menry A. Carpenter, for the next best, \$15, for Lavinia, by Mr. Powel's half bred bull Rob Roy, from Star, a half bred D. S. H. cow.

Meg, from a native cow, by Billy Austin of 3-4 blood, bred by Mr. Powel. John Hare Powel, for the best heifer, not more

from Meadow Maid.

than twelve months old, \$20, for Coquette, by Bishop, dam Fairy, bred by Mr. Powel. Premium relinguished.

Henry A. Carpenter, for the next best, \$5, for

Henry A. Carpenter, for the next best, \$15, for Mr. Powel's imported cows Lady and Laura, Vir-Charlotte of & blood by Lothario, dam Prize.

John Hare Powel, for the next best, \$10, for Jilt, by the imported improved D.S. H. bull Bishop, dam Lucinda, grand dam Star, great grand dam Milker. Premium relinguished.

Thomas Serrill, for the next best, \$5, for Sylvia,

dam Red Beauty, bred by Mr. Serrill.

John Hare Powel, for the best bull of Durham
blood, \$20, for Monk, bred by Mr. Powel, by Bishop, dam Virginia, by General, grand dam, the imported cow Rosemary. Premium relin quished.

Henry Serrill, for the best ox, not more than nine nor less than three years old, bred in Pennsyl-

ham S. H. heifer.

Thomas Smith, of Delaware, for the best steer, bred in Pennsylvania, reference being had to the mode of feeding, \$10, for Bonaparte, from a Kentucky cow, by the bull Bonaparte.

In addition to the cattle which were distinguish-

FROM CHESTER COUNTY.

cow and bull calf, from Mr. 'Tomlinson's stock Mr. Edge's Baron, from Queen, by George, of Teeswater blood.

FROM DELAWARE COUNTY.

Mr. Serrill's Red Beauty, a fine three years old heifer, and two very large well formed fat oxen.

Mr. Paschall's two years old heifer Belle, of Hol stein blood, possessing some remarkable points, to premiums:-Mr. Henry Serrill's cow, bull calf Friar, and a John Barney, of Delaware, for his ram, not more calf by Mr. Eyre's bull of Teeswater blood.

Mr. John Serrill's very large and well formed cow, Meadow Maid, from Mr. Benjamin Serrill's Freckle, by Mr. Powel's bull George, her calf, and a three years old steer, of good size and form.

Mr. John Cochran's fat steer, remarkable for his fine shape, great size and light offal.

Mr. Philip Morris's cow, exhibiting a fine form, and one of the fattest carcasses ever produced in the state.

Mr Charles Justis's two heifers of Kentucky blond, seven spayed heifers, fifteen fat steers, all of which, by their good shape and fatness, evinced the skill and good management of their owner, to whom we owe some of the best individuals of the Kentucky stock which can be traced in this country.

Mr. Smith's fine heifers, Lucy-Dolly, by Mr. Tomlinson's Major, from a Kentucky cow, Black Susan, and a singularly fine spayed heifer, of

the same breed.

Mr. Benjamin Serrill's cows Rose and Perfection, heifer Clara, and two steers of Kentucky blood. Mr. Oakford's Salem cow, and fat oxen.

Mr. James M'Ilvaine's working oxen.

Mr. William Eyre, cow, and large bull calf. FROM PHILADELPHIA COUNTY.

ers, all strongly marked by the "clean" heads and necks, and other characteristics of Heaton's stock.

John Serrill, for the next best, \$10, for Cynthia, Mr. Rhode's bull, by Mr. Eyre's bull Leopard, derived from Heaton's stock.

Mr. Samuel Cox's fine bull calf Blyth, from Mr. Powel's thorough bred imported "Improved Durham Short Horn" cow Shepherdess, by his imported thorough bred improved D. S. H. oull Champion.

Dr. Elnier's imported "improved D. S. H." bull

Dusham, purchased of Mr. Powel.

ginia by General, dam Rosemary, thorough bred improved Durham short horns,

Julia, by the imported "improved D. S. H."

bull Denton, dam Devon.

Fancy, an improved Chinese heifer; Fidget, of three fourths Devou blood; Frolic, from Laura by Bishop; Virtuoso, from Fancy by the same; Jerry, sire and dam bred in England; a fine native cow; and Steam-

boat, a Kentucky cow.

Your committee do not attempt to designate the points, or characteristics of the various animals which have been submitted to their view, as the display of nearly an hundred and hity neat vania, \$10, for Durham, bred by Mr. Serrill, cattle of extraordinary excellence precludes the from a cow descended from Mr. Ketland's Dur-possibility of their adhering, in the present in stance, to the rule which had been observed on former occasions; but they cannot avoid expressnot more than three nor less than one year old, ing their great satisfaction at the decided improvement which has been made in the stock, by the introduction of Mr. Powel's "Improved Dur-ham Short Horns," whose blood can be traced in nearly all the breeding animals, which were distinguished as best fitted for the general purposes of the country, by uniting, with fine forms, the requisites for the dairy and the stall.

THOMAS SMITH,

THOMAS SERRILL, MATHEW ROBERTS, RICH. B. JONES, C. CHURCHMAN Committee for Neat Cattle.

The committee for Sheep and Swine report, that they con-ider the following persons entitled

than two years old,

Joseph Davis, of Chester county, for the best ram of Dishley blood, not less than 2 years old, \$10 Joseph Davis, for the best pen of Dishley ewes, not less than five in number,

Thomas Serrill, of Delaware county, for the best merino ram, James M'Ilvaine, of Delaware county, for the

best pen of merino ewes, 810 Robert Shaw, of Philadelphia county, for the best

Mr. Barney's ewes maintained the high reputation of his weil known flock, and largely contributed to the display of stock.

Mr. James M'Ilvaine, of Delaware county, exbibited a flock of 500 merinos, taken without selection from 1500, possessing good points and size, with very fine fleeces and healthful appear-

Mr. William West exhibited a Dishley ram with strong traits of the imported stock.

Mr. Jonathan P. Worrell's ram, of Dishley blood, was large and well covered by his fleece.

Mr. Benjamin Serrill's fine imported wethers combined extraordinary size with good shape and singular fatness; his three native Dishley wethers and merino ewes were good specimens of their respective breeds.

Mr. Eyre showed some well formed sheep, ve-

ry strongly marked with Dishley blood.

Colonel John Hare Powel exhibited the carcassof a sheep of mixed Southdown and Dishley

^{*} We regret that Mr Worth's address has not been published-We shall endeavour to procure Mr. Manual Evre's yearling bull and eight heif he readers of the American Furmer are familiar with the clear, practical and useful nature of his writings on Agriculture .- [ED. AM. FAR. VOL. 6. -34.

mal we have ever seen.

SAMUEL WEST, JOB ROBERTS, WILLIAM EVANS, ELIJAH LEWIS SAMUEL DAVIS

Committee on Sheep.

The committee for Horses report, that they consider entitled to premiums,

Callender Irvine, for the best bred stallion, not less than three years old, \$40, for "Windflower." Premium relinquished by Mr. Irvine. Jacob Taylor, jun for the best stallion, fit for

draught, not less than three years old, \$40, for "Black Planter Lyon." Premium relinquished. John Taylor, of Montgomery, for the best colt, ten dollars.

The committee have to regret that no premium had been offered for a description of horse, calculated for the general use of the country, for carriage and gig; and the more so, as one of this character was exhibited, of superior form and

In recommending the award of the above premiums, the committee have felt no small degree of diffidence. The claims of several of the horses were of the highest order. In point of action, figure and breeding, Buzzard, Godolphin, and Rattler, are entitled to marked distinction. Arab, by Grand Bashaw, and Standard, by Sir Solomon, three years old colts, bid fair, in duc time, to assume their station among the first bred horses of the country. In noticing "Bolivar," it is sufficient to say that he was sired by "Windflower." Mr. Kersey's horse "Hickory" shows many of the Kersey's horse "Hickory" shows many of the age depth of 6½ inches in 23 minutes. marks of the fine stock from which he is descended.

In recommending the award of the premium to "Black Planter Lyon," as the "best stallion fit for draught," the committee are by no means insensible to the merits of the other horses of that class which were exhibited; they are equally creditable to the breeders and to the country: among them, however, it is deemed proper to distinguish Mr. Bennet's horse "First Consul," and Mr. Ker-

sey's "Chester County Bay."

Grand Bashaw, who took the premium at the first exhitbion, was viewed with great satisfac tion, and lost nothing of his former character by

his presence on this occasion.

MANUEL EYRE, GEO. BLIGHT, E. MORRIS, JNO. G. WATMOUGH, JOHN WILCOX AL. SYDNEY LOGAN. Committee for Horses.

The following horses were, in addition, exhibited:-

Mr. Kendig's powerful and very active draught horse Complanter.

Mr. Davis's Planter Lyon, which last year took the premium for the best draught horse, and was use of the plough. therefore excluded from the competition.

IMPLEMENTS OF HUSBANDRY.

The committee for implements of husbandry report, that they consider the following persons entitled to premiums:-

Oliver Evans, for the best plough, \$10 fan,

Your committee beg leave to state, that they consider Ezra Cope and Thomas Hoopes, jun. entitled to a medal, for their improvement of the

been decidedly proved to be worthy of distinc-tion, as well for the singular simplicity and ingenuity of its construction, as for its rapid and effective operation. For Mr. Eastman they would recommend the award of a copper medal, for his straw-cutter, which has been so often noticed on similar occasions, that there is scarcely room for their commendation.

Although Oliver Evans has been considered entitled to the premium for the best plough, they are not unmindful of the admirable and well tried plough of Mr. Suplee, and the ingeniously and well constructed ploughs manufactured by Mr. Wiley, Mr. Beach and Mr. C. Evans.

They cannot avoid noticing a churn, produced by Mr. Haydon, of Trenton, as it appears to combine with other advantages, that of being easily

made clean.

A neat model of Mrs. Griffith's improved beehive was exhibited, which appears to be well fit-

ted for its purpose.

A variety of ingenious and useful implements, excellence, called Diomed, and owned by Mr. ley Cultivator, his Dibbling Wheel, his moveating the Sheep fold, his improved Yoke, and Ox cart. were exhibited by Colonel Powel, viz: his Block-

BEUBEN HAINES HENRY L. WADDELL, JOB ROBERT'S, JOHN WILCOX.

The committee for the trial of ploughmen with oxen report, that Mr. Cochran ploughed the

Mr. Caleb Coburn, the same quantity, an ave-

Mr. Charles Justis, the same quantity, an average depth of 51 inches, in 27 minutes; they therefore recommend the award of the premium, for the best ploughman, with oxen, to Mr. Coch-

> JOB ROBERTS MATHEW ROBERTS, G. W. HOLSTEIN, Committee.

The committee for the trial of ploughmen, with horses, report that Mr. Wiley and Mr. Myers ploughman with horses.

To Mr. Myers they recommend the award of a premium of

SAMUEL DAVIS, SAMUEL WEST, JAMES WORTH, Committee.

The contest for the premiums, offered for the best ploughman, was the more interesting, as the competitors were well established farmers, who had not for many years applied their hands to the plough, but who were determined, by their example, to stimulate other members of the Society to prove that they practically understand the the residence of the maker to be in the State of Pennsylvania.

The committee on manufactures report, that they consider the following persons entitled to premiums, to wit :-

Zillah Morgan, of Montgomery county, for the best linen cloth shirting, one yard wide and not less than 25 yards long, \$10 Wm. S. Michener, for the best winnowing mill or Isachar Hoopes, of Delaware county, for the best

wide and two and a half long, \$10

blood, which we consider the best grass fed ani-mowing machine, which, not with standing the un-Mrs. Jona. Roberts for the best counterpane, \$5 favourable circumstances attending its trial, has Mrs. Margaret Wilson, for a pair of double coverlids,

Mrs. J. Roberts for the best carpeting one yard wide and fifty yards long,

GRASS AND STRAW HATS.

The pupils of the Pennsylvania Institution for the deaf and dumb, for the best woman's hat in imitation of leghorn,

Hannah Smith, teacher of the Fellenburgh school of Philadelphia, for the second best, Pupils of the Fellenburgh school of Philadelphia,

for the best woman's hat made of straw, \$5 The Walnut-street Charity school for second

Miss Francis Dunlap, of Chester county, for a hat in imitation of leghorn,

DOMESTIC WINES.

Edward H. Bonsall, of Germantown, for the best domestic wine.

In addition to the articles of domestic fabric. for which premiums have been awarded, a varie ty of manufactures was exhibited, some of which the committee deem worthy of notice.

An assortment of cotton and woollen fabrics. manufactured by the pupils of the Pennsylvania Institution for the deaf and dumb, was exhibited. The articles were much superior in quality to those exhibited at the last cattle show, and it cannot fail to afford public satisfaction to be in-Committee for Implements. formed, that the pupils of this institution are clothed exclusively infabrics which are the workmanship of their own hands.

Mr. Elliott and Mr. Pearson exhibited samples eighth of an acre, an average depth of 73 inches, of domestic carpeting of a most excellent quality.

A grass hat, made by Miss Mary Dicky, of Chester county, without any instruction, as to the process of manufacture or bleaching, exhibited taste and ingenuity.

A gentleman's beaver hat manufactured by Mr. Thomas Lyndsay, of Chesnut-street, Philadelphia, is deserving of particular notice, for the neatness and excellence of the workmanship it evinced.

Jesse Kersey, of West Philadelphia, exhibited various pieces of stone ware, which for accuracy of form, neatness of finish, and excellence of the materials, are quite equal to any imported ware which has at any time been offered in our shops.

Mr. English, of Philadelphia, exhibited horse shoes of various kinds; those intended to correct contended for the premium offered for the best the diseases incident to narrow heels are particularly worthy of regard, and by the good work-manship which they displayed, evinced the skill for which he has so long been distinguished in his vocation.

Several samples of domestic wine, from the grape and currant, were exhibited by Mr. Pearson, of Delaware county, Mr. Landreth, of Philadelphia county, Mrs. John Rees, and Mr. Charles Logan near Frankford, Philadelphia county

The cider exhibited by Mr. Bispham, of Trenton, was of a superior quality, and would certainly have been entitled to a premium, if the article had come within the condition, which required

STEPH. DUNCAN, Phil. county, WM. DARLINGTON, Chester, JOHN ELLIOTT, Montgomery Committee on Domestic Manufactures. Extract from the Minutes.

J. P. MILNOR, Asst. Rec. Sec.

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Resuscitation .- A man in Union Township, Pa. linen cloth, sheeting, one yard wide and fifty by the name of Montgomery, very suddenly died yards long, \$5 to all appearance, and was laid out, but soon ex-John Jones for the best pair of blankets, two yards hibited signs of life, which led to successful exto all appearance, and was laid out, but soon exertions for his restoration.

CIETY.

At a meeting of the Trustees f the Massachusetts Society for Promoting Agriculture, at Brighton, October 21, 1824-

Voted, That the President be requested to communicate for publication, the remarks made by him, previous to announcing the names and duties of the several committees, at the Cattle Show, yesterday.'

Attest,

BENJ. GUILD, Assist. Rec. Sec'y.

REMARKS OF THE HON. MR. LOWELL.

Soon after the first establishment of this annual lestival, the Trustees of this Society deemed it proper to excite the public attention by an an EVELYN, DUHAMEL, and Young. Yet we would nual Address. It seemed to be necessary to vin- not be understood to undervalue their services. some of these productions are often of inferior merit, but they still serve to stimulate the almost knowledge. If these productions are sometimes such should ever be discovered. It would dimin indifferent, they are censured or forgotten But ish the number of persons devoted to that great to think and to reason, to condemn or to praise.

It has been found however by experience, that there is neither the necessity, originally presumed, tions, and one which necessarily provides in every for such addresses upon this occasion, nor the state a healthy, vigorous and uncorrupted poputime requisite for them, consistently with the laborious duties of the day. It is no longer necessary to justify these exhibitions, since fifty mil-dence, that no greater misfortune could happen lions of men in Europe and America have sancto society, than the discovery of an art in agriced to be a practical one; and our time is much tioned them by their adoption. If public opinion culture, which should supersede the necessity of better spent in plain, simple discussions of imporis any test, (and we can scarcely find a better in employing a greater number of men to support tant facts, than in amusing our agricultural friends an enlightened age,) it is now settled, that these and sustain the minority. I fully believe that the an enlightened age,) it is now settled, that these and sustain the minority. I fully believe that the exhibitions of agricultural productions and of mappiness of every nation is

nufacturing skill are eminently useful.

little better than that of the black population of the West India Islands! The knowledge of the as under one so truly republican as our own. agricultural art was confined to men of wealth and letters. They dictated to their overseers, what course of industry their slaves should pur- thrown the old means of industry in the other

Shows in France, as there are departments,about ninety, - and there is, once in three years, believe. They sometimes sneer at "book learnlity, in one of the most enlightened nations of the will pay to philosophical inquiries into the pro-world! England has not so many, but they are cesses of agriculture. numerous, and quite as efficient; and the United States have at this moment nearly fifty public ex-mer raises, were originally introduced by theoreti-hibitions of this description. And the trustees of cal men. Who introduced the Potato into Euthe various Societies embrace some of the ablest rope, which now furnishes subsistence to many the Saxon farmers, we may in another half cen-

sidents of the United States and many individuals, who have held, or continue to hold, offices of the highest rank in the legislative and judicial departments. It is therefore to be fairly inferred, that they are felt, and acknowledged to be emical cultivators. Who introduced the Cotton plant that they are felt, and acknowledged to be emiso many enlightened men in so many nations

ted by these exhibitions, than by all the writings of cultivators from Cato and Columella to constitute so large a part of our productions, in Evelyn, Duhamel, and Young. Yet we would the most improved States of our Union? of cultivators from CATO and COLUMELLA to Farmers to the importance as well as to the defects are willing to admit, or than some of them comof their interesting pursuit. Our fellow-citizens, prehend. The sailor, who is placed at the helm, and thinking habits, demands on all such occa- and our own Bownitch the principles, which ensions intellectual exercise. No nation, if we ex- able him to cross a trackless ocean with perfect to the pleasures of the understanding. If their mechanic, stationed at the power-loom, has very taste for knowledge has not been so much refined little conception of the depth of knowledge, and

Agriculture has none of these spleudid achievements of science to enroll. There is no short universal relish for intellectual enjoyment. They made of making the earth productive, and of saclass of citizens devoted to the most healthy employment; one, which leads to the fewest tempta-

It would seem to my mind, I say it with diffi essentially connected with the necessity of em To the ancient world,—to Greece and Rome in ploying the greater number in the innocent and their best days,-such exhibitions were entirely untempting pursuits of agriculture. Such has unknown. How could it be otherwise when the been the sentiment of poets, philosophers, and Shows. In what manner could we so rapidly or Farmers were slaves, whose condition was very statesmen in all ages; and under no form of government, does it appear to me to be so essential,

But though agriculture has not experienced any of those great changes, which have totally overue. It is not more than half a century since the occupations of man,-although we can neither first experiment was made in any part of the plough nor sow by steam, nor by the novel com world, of giving a stimulus to agricultural and binations of the mechanick powers, yet agriculture owes much, very much, to men of philosophi-There are at this day nearly as many public cal research. Agriculture has always been much more of a science, than our farmers are ready to of whom are gone. a grand national exhibition at Paris, the list of ing;" and it is precisely because they know too whose premiums fills an octavo volume of 350 little of the history of their own art. The better pages! What strong proof of their supposed uti-they are informed, the higher the respect they

Even the most common articles which the far-

MASSACHUSETTS ACRICULTURAL SO- men in our nation, including one of the late Pre- millions of human beings? The gallant but unnently useful. It would be absurd to suppose that into our own country? Theoretical cultivators. That plant now furnishes nearly forty millions of would have favoured a plan which was of small dollars gross income to the people of the United States, and combined as it now is with our domes-If it were needful to enter into details, we could tic manufactures, it may be said to be the greatest easily show, that their effects have been fully as blessing ever bestowed on our country. Would great as this universal approbation would lead us any practical farmer have gone abroad in search to presume. That the progress of agriculture of this valuable plant? Certainly not. Who in-and manufactures has been more rapidly promo-troduced the Merino sheep—the Swedish turnip -the Mangel Wurtzel-the Millet-which now

We need not enlarge Agriculture owes as dicate the establishment of such a celebration The connexion between science and practice is much to Science as its sister arts, though its proand Show, and to awaken the attention of our much more intimate, than mere practical men gress is necessarily more slow, and therefore less perceptible; and it is much retarded by the jealousies and unfounded repugnance of some farmers when called to any public meeting, have a strong and guides his ship safely in the darkest night, is desire of being aroused and instructed. Our little aware that he owes to Godfrey, an Ameri- year we have seen a serious attempt to persuade country, from its very constitution, its reasoning can, the instrument, and to NEWTON and KEPLER, us, that the English race of swine were little better in form than woodchucks, or in other words, deformed and miserable. Yet it is a well supportcept ancient Greece, was ever so much addicted certainty of arriving at his distant porc; - and the ed fact, that the improvement in the breed of these animals has been declared by the best judge in this State, because the largest purchaser and as that of Greece is said to have been, it is at painful research of Wat, and Arkwright, and packer of pork, to be equivalent in value, to this least as ardent. We can have no public meetings without speeches, orations, discourses, or sermons. To be sure, it must be admitted that not have performed in a hundred hours. less firoductive, while it is a fact susceptible of positive proof, that their weight at the same age is from 30 to 50 per cent. greater; and they have are the best possible proof of a general thirst for ving human labour. Perhaps it is best that none been so much more esteemed, that they have brought from 15 to 20 per cent. more for the same weight than the old races-and permit me to add whether good or bad, they accustom our citizens and important art,-would of course lessen the also, to the great gain of the purchasers, as well as sellers, for the extra money they paid was for consumable food, not for bone and offal entirely

I advert to these prejudices, and I do it in the plainest and simplest manner, adapted to such a subject, because it is a duty early and constantly to meet and repel them. This Society is designed to be a practical one; and our time is much and promote sound principles in Agriculture, our Institution is worse than useless. It is a needless

expence to the publick.

To recur to the value and importance of these so certainly have brought home to the conviction of our farmers, the decided superiority of the fleeces of the Spanish sheep, as by contrasting them side by side with our races? To theoretical cultivators,-to HUMPHREYS and to LIVINGSTON, -we owe their first introduction into the country. To the former, this Society at once voted its gold medal, though he was not a citizen of this State, and though this State had not then derived any peculiar benefit from their introduction. A strong example of public spirit in our predecessors, most

Some years after, this Society, finding that the progress of this valuable race was slow, offered beral and expensive premiums for the introduction of other individuals of the breed. The immediate effect was, the importation of numerous flocks at once, and our country has thus gained, what it would be difficult to estimate, and what otherwise it might not have gained for half a century. If we have the patience, skill and care of

tury add to the value of our products (including rapid improvement in these particulars.-We the profit on manufacturing the wool) perhaps a have not yet extensively adopted the system of ficent rivers in the world, affording every possi-

England.

But it is not simply in these plain and obvious of raising with care, roots for winter fodder. particulars, clearly and indisputably produced by hublick encouragement, that we found our opin ion of the value of these Shows It is in the regulatile garden. In my short space of residence in lar, manifest improvement of all descriptions of this mutable world, I remember when the May-Farmers are willing to pay five dollars for a cross, seen in our market—and there is not now a mar-with a fine imported animal, they will take better ket on earth, better supplied than ours with every from such an excitement?

If it were, so, it would show that we had arrived to the highest degree of perfection before, or the gardens of the rich connoisseur. There ne that the same causes operating in the agricultural ver was a more rapid progress in any country than art, are incapable of producing the same effects, that which we have made in Horticulture, and tithes and excises-and almost from taxes. which are daily under our eyes produced in all the jet there is no one point in which we are so de-

other arts.

If a man had been told, only 20 years since, that soon supply this defect. a single manufacturing company could turn out two millions of yards of cotton cloth, of a quality far superior to those produced by the successors of Arkwright, and (under the disadvantage of higher prices of labour) could afford to undersell the British manufacturer in foreign markets (regard being had to value as well as price) it would have been thought absurd and incredible, I own that I was one, who then deemed it such, -to my

great personal loss.

We can show - our records will prove - that our progress in Agriculture has been full as extraorfor the production of from 65 to 116 bushels.

Jam aware of the objections urged, that there may have been over estimates, and that these crops cost too much. Make what allowance you made under oatn)-Allow what you choose for ford relief. the extra expense of producing great crops, yet they are proofs of zeal and intelligence, and they go far to convince the farmers, that one field well lothe Members of the Senate and House of Recultivated is better than two negligently managed.

What shall we then say as to crops entirely unknown as general crops only twenty years since The mangel wartzel, the carrot, the Swedish turnip, the common turnip, the common bect? These are the greatest triumphs of agricultural facts:improvement in our country-No longer starving our cattle on the scanty and iniserable produce of neglected and undrained meadows—On food, which might well sait with Indian ignorance and cieut or modern. indolence, we have learned to store our celtars with rich supplies for our milch cows, oxen and with eapacious narbours, and every convenience sheep .- No country has ever exhibited a more for the most fertilizing foreign commerce.

million dollars annually to the income of New rotation in crops. That is still to come, and will nevitably follow the present excellent practice

As to Horticulture, the field is newly explored -From a barren wilderness it has become a ferdomestick animals from year to year. When duke and the sour Kentish Cherry could alone be care of the progeny; and if it produced no other variety of the most deficious cherries I remem effect than this, the value of this excitement ber when our strawberries were only gathered would be incalculably great. In short, is it post from the grass fields-1 recollect the first boxes sible, that in a free and enlightened country, when of cultivated strawberries ever sent to Boston most wants. the minds of men are excited and turned to the Market; they are now in profusion, and of excelimprovement of their past practices in any one lent quality-but still susceptible of vast improveart, by all the motives which influence human ac-lment. Who ever heard of an English or Dutch pears, some of them execrable, were often seen, paid in the former country. but not a single delicious variety was known out of fective; and yet I hope and believe that we shall

The state of the s

TO THE

CITIZENS OF THE UNITED STATES,

Whether Farmers, Planters, Mechanics, Manufacturers, Merchants or Traders, without distinction of section, party, profession, or occupa-

FELLOW CITIZENS,-

You are all deeply interested in the welfare of our common country-and therefore the foldinary. This Society put forth, 20 years since, a lowing memorial, which involves considerations set of queries to farmers in various parts of the of vital importance to the nation, is respectfully nation in the civilized world-not being above state, touching every branch of farming, and the submitted to the consideration of all classes of saquantities produced of every description of agricultural products. The answers are in print, and found to be correct, it is recommended to call town are most valuable documents. These replies, compared with the present state of agriculture, take the subject into consideration; and have the will prove, that the advancement in that art has memorial circulated for general signature, and been inconceivably great. The highest crops of presented to your respective state legislatures at their ensuing sessions. This will elicit a mass of have granted not one, but many premiums—not to one part of the State, but to many portions of tent to which the complaints of depression so feeling the regions of from 100 to 600 to 100 to it, for the raising of from 400 to 600 bushels per ingly uttered in various memorials and petitions, acre. The highest quantity of corn raised upon and likewise in Congress by Mr. Carter, Mr. Tatha care was formerly stated to be from 40 to 45 bushels. We have had almost innumerable claims founded—if founded, to what the depression is owing-and whether we are to sink down hopelessly under it, as so many fatalists, without any effort at amelioration, or whether the energies of a great nation, applied through its proper organ, please, for over estimates, (and they are always the general legislature, be not competent to af-

HAMILTON.

presentatives of the State of Maryland.

the said State,

Who beg feave respectfully to submit to your serious consideration the following important

This country possesses advantages, natural, moral, and political, never exceeded, perhaps we might say never equalled, in any other nation, an-

1. It has a most extensive seacoast, studded

2. It is intersected by some of the most magnible facility for internal trade.

3. Our soil abounds with iron ore and coal, two of the most important of the fossil productions of

4. Of cotton, the most valuable raw material in the world, next to iron, we produce about onehalf of all that is consumed in Europe and America, and have a capacity to produce enough to supply the whole world.

5. Of lead, copper, and timber, we have a su-

perabundance.

6. We have the capacity to produce silk, flax, hemp, wool, hides, and skins, to supply our ut-

7. We enjoy water power to a boundless extent.

8. Fertile lands may be purchased here in feetion,—by self-interest, emulation, desire of publicon gooseberry, or raspberry at market 25 years since? simple, for less than the tithes paid in many parts lick notice, that no valuable effects will follow The Geniting, Cattern—and Minot, and Iron of Great Britain and Ireland, or the poor rates simple, for less than the tithes paid in many parts

9. Our population is hardy, enterprising, ener-

getic, and intelligent.

10. We are wholly free from the burden of

11. Nine-tenths of our farmers and planters own the lands they cultivate.

12. We have almost every variety of soil and

climate. 13. Our government is among the most unexpensive in the civilized world, regard being had

to our population.
14. We enjoy liberty to an extent that cannot

be exceeded.

15. There are none of the galling restraints upon industry or talent here, which prevail in most parts of Europe. Every man may practise any where whatever trade, occupation, or profession he pleases.

16. Our national debt is less in proportion to our resources and population than that of any other uine dollars per head-only two-fifths of the annual revenue of Great Britain, and only about four fifths of her excise.

17. We have ample space for all the distressed

and oppressed of Europe, who are panting for an opportunity to come to this country of freedom.

Blest with these and other numerous and very important advantages, we ought to enjoy a degree of prosperity never exceeded in the world it is a melancholy and palpable truth, that almost every branch of industry languishes. We beg leave to enumerate in detail some of the leading features of the situation of our country, which we shall do as concisely as possible. As some of the facts of the following statement have been controverted, we deem it necessary to establish them by what we hope cannot but be regarded as amply adequate testimony.

1. From the excess of the productions of farming, and the pernicions exclusion from the ports of Europe of our bread-stuffs, on which depends the prosperity of so large a portion of our population, probably 6 or 7,000,000, the prices have sunk so low, at a distance from the seaboard, as The memorial of the subscribers, inhabitants of not to remunerate the farmer for the labour and capital he employs in cultivation. Corn and oats are sold at 121 a 20 cents per bushel in various parts, and flour at \$225 per barrel. Nearly all the other productions of farming, and those of horticulture, are sold at equally reduced prices.

"The farmer of the grain growing States will "tell you, that HE HAS LARGE ANNUAL "SURPLUSES OF GRAIN, WHICH HE IS "DOOMED YEAR AFTER VEAR TO SEE "ROT AND PERISH ON HIS HANDS; that "it is to no purpose that he applies himself to the

"diligent cultivation of a fruitful soil; that each "smallest earnings, and anxious for their oread." "return of autumn finds his barns filled, to over-" flowing, with abundance; but that it is all use-"less, nay, worse than useless to him: for his " well-stored barns stand continually before his flour, cotton, tobacco, tar, turpentine, or staves "eyes, as tormenting memorials of his labours can be shipped with any prospect of profit, or " frustrated, and the bounty of his fields most cru "elly wasted. He may represent his labours as "equalling, in their fertility and vexatious dis-"appointment, the fabled toils of Sysiphus him-"self. THE DEPLORABLE ACCURACY OF "SUCH A PICTURE WILL NOT BE DIS "PUTED."—Speech of Mr. Carter, Member of Congress from South-Carolina, Feb. 20, 1824.

"There is, at this time, and there has been for "of agriculture—they have glutted the markets "MISERIES OF POVERTY HAVE INVA"of the world. The want of a foreign market" DED THE FIRE-SIDES OF SO MANY OF "ducers have increased in a far greater ratio than could scarcely be expected that an institution, our consumers, and the consequences have been, whose prosperity is dependent upon the punc-"EMBARRASSMENT, FREQUENT SHER-"IFFS' SALES, AND RUIN."—Memorial of the Farmers of Renseclaer County, in the State of New-York.

"The farmers have successive erops of grain "perishing in their barns and barn yards, for want of a market."—Mr. Clay's Speech, p. 4.

2. In like manner, through the superabundance of the production of cotton and tobacco, all the markets of Europe are glutted with them, and the prices reduced so low asto place the planters in the same state of depression as the farmers.

"The prostration of their foreign markets has "spread over the face of the Soura a general per-"vading gloom. IN ALL TYIAT REGION "WHICH STRETCHES ITSELF FROM "THE SHORES OF THE POTOMAC TO "THE GULF OF MEXICO, where all the ar's same exchange, netted \$3.87\frac{1}{2} a \$4.20. " of civilized life once triumphed, THE ARM OF "INDUSTRY IS NOW PARALIZED. Large "and ample estates, once the seats of oftweence, teast thirty-five per cent. within a few years.—
"which supported their proprietors in affluence Hundreds of estates, on which one, two, or three and comfort, ARE NOW THROWN OUT instalments were paid, have been sold for the batter TO WASTE AND DECAY."—Speech of Mr. lanee, and in many cases have not produced that Carter, of South-Carolina.

"the United States have so overwhelmed every century, have been sold to pay the halances due "market in Europe, that there is absolutely no on lands purchased within the last ten years. "outlet for exportation from this country, and "no prospect of the stock on hand being consumed a example. A feeling of gloomy despondence is "not prospect of the stock on hand being constant at example. In feeling of gloomy despondent in the lower where in the lower where in the lower and Ireland, whilst the consumption "beginning to prevail every where in the lower the only preparation necessary in such a foot is, "country. ESTATES ARE SACRIFICED TO country. ESTATES ARE SACRIFICED TO to make the bottom of the crust level by means of a rasp, to scrape off any loose of the pure of a rasp, to scrape off any loose of the crust level by means of a rasp, to scrape off any loose have the foot and have no "on the continent is estimated at 44,000, making "THE BONDS GIVEN FOR THE PUR-"a total stock in Europe, of 75,000 hogsheads, "CHASE MONEY. NOBODY SEEMS DISbeing 10,000 more than one year's consumption "POSED TO BUY, WHAT EVERY BODY
"Under such circumstances, immediate improve," IS ANXIOUS TO SELL AT ANY PRICE." " ment in this article would appear impossible." -Curwen & Hagerty, Liverpool, Dec. 31, 1823.

3. Navigation is at a low ebb. Freights searcely, if at all, remunerate the shipowners.

"Look at the rate of freights. Here they ever "lower, or even so low? I ask gentlemen who know, whether the harbour of Charleston and "know, whether the harbour of Charleston and the river of Savannah be not crowded with of 2,132,881 acres, and to the value of 7,981,940 that wears most should be formed of steel. The "ships, seeking employment, and finding none?" I would ask the gentlemen from New-Orleans, if their magnificent Mississippi do not exhibit due, the credit was prolonged to eight years. "for furlengs a forest of masts? The condition " of the shipping interest is not that of those whe "are insisting on high profits, or struggling for

-Mr. Hebster's Speech, p. 42.

4. Commerce is in a state of equal depression There is scarcely a port in Europe to which our even of escape from loss.

"Commerce has confessedly suffered more than "ony other branch of industry, by the events of "recent years. It has borne its disasters patient "ly. IT IS NOW JUST CREEPING INTO "LIFE."—Memorial of the Philadelphia Chamber of Commerce, Feb. 26, 1824.

"The mercantile embarrassments of the coun-" try for some years hast have been so seriously Feb. 20, 1823.

than in New-York, Philadelphia, or Baltimore.-On the 15th of Sept. the prices of cotton and flour at Liverpool were as follow:-

~ 73-84. to 83d. Uplands, New-Orleans. 8 3-4d, to 11d. Alabama and Tennessee, 7 1-4d. to 8\frac{1}{2}d. Which, (exchange at 9 per cent.) netted in the

United States-Uplands, 10 7-8 cts. to 12 5-8 New Orleans. 13 1-16 cts. to 16 7-8

Alabama & Tennessee, 10 1-16 ets. to 12 5-8

6. Real estate has fallen almost universally throughout the whole country on an average at balance, their proprietors have been thus reduced "Tobacco is very unsaleable, and lower than to penury. In some cases, patrimonial estates, "we have ever before known it. The exports from which had descended from father to son for a

> " Property of all kinds is depreciated beyond -Charleston Alemorial, Feb. 9, 1824.

7. The distress and impoverishment of the Western country obliged Congress in 1821 to allow the purchasers of public lands, who owed the government 21,908,699 dollars, to relinquish them if they judged proper.

dollars-above eighteen months' interest of the nails should be placed as near the toe as is connational debt. On 6,257,480 dellars of the balance sistent with the security of the sine, that there

Congress to reduce the public lands from a credit the bottom of a horse's foot is flat or convex, inprice of two dollars to a cash price of 125 cents, stead of being rather hollow, it is at the same time " monopoly - but that of men content with the being a reduction of about half a dollar per acre. much thinner, and less capable of bearing pres-

10. This reduction, which nothing but the disress and impoverishment of the Western country could have rendered necessary, impaired the national resources to the amount probably of about 150,000,000 dollars. It further reduced the value of all the lands which Congress had previously sold, and which had been bona fide paid for, amounting to many millions of acres, to the great injury of hundreds of citizens.

(To be concluded in our next.) ---

DISEASES OF DOMESTIC ANIMALS

AND THEIR CURE.

Scouring .- A scouring or purging, is a common disease among all our domestic animals; and in "several years, an over-supply of the products of all ranks in society, and THE under the products of elt by persons of all ranks in society, and THE under the article Diarrhæa, I have noticed the disease as it affects horses: but in cattle, this "has not been supplied at home; for our own pro- OUR RESPECTABLE CITIZENS, that it often sustain a considerable loss by it. When the "our consumers, and the consequences have been, "in this part of the country, A UNIVERSAL" whose prosperity is dependent upon the punc-tuality of its customers, should be exempt from this part of the Country, A UNIVERSAL tuality of its customers, should be exempt from hide-bound, and has a rough staring coat. The "ION OF THE VALUE OF LAND, A "is portion of the calamities, which have been dung is thin and slimy, and in bad cases, air bub-tuality of the Directors Memorial of the Directors of the Philadelphia arise from the animal being overheated in driving, Bank, to the legislature of Pennsylvania, dated and particularly by being suddenly cooled when in this state; and by want of sufficient nourish-5. Our flour and cotton are from 15 to 25 per ment, especially in milch cows. Taking the anicent, cheaper in the markets of Great Britain, malin, is the first step towards a cure. The diet should be nutritive, consisting of oatmeal or wheat flour gruel, good hay, oats, &c. As there appears to be an acrid kind of bile formed, which probably is the principal cause of the disease, and depends on a morbid action of the liver, it will be proper to give, for two or three mornings successively, a dose of some mild mercurial with a little rhubarb and castor oil. During this time, wheat flour gruel should be given several times a day. The acrid bile having been got rid of by these means, a few doses of astringent medicine will probably put a stop to the disorder. When American flour was at 20s. to 22s, which, at the the scouring has ceased, the animal should be brought gradually to her former habits, taking particular care that she is not exposed to rain or cold winds, or put into wet pasture. It should have been observed, indeed, that as the disease is often caused by checked perspiration, proper means should be adopted for re-establishing that salutary exerction or discharge.

Shoeing .- In shoeing a strong well-formed foot there is no great difficulty; but in feet of a different description, considerable care and skill are often required both in the preparation of the foot, and in the application of the shoe. The bottom of a well formed foot is in a small degree hollow; that is, the crust is rather higher than the sole, the be in the sole, and to leave the frog and bars untouched. The toe of the shoe should be about an inch wide, and half an inch thick; the heel a little narrower and thinner. That surface of the shoe which bears on the ground, should be pertectly flat; that next the foot, particularly to-wards the to,, should be a little hollowed; for even in good feet, the sole towards the toe is oft. en as high as the crust, and consequently would be pressed upon by the shoe, were its surface may be as little restraint as possible upon the i.o. 9. This calamnous state of alfairs also obliged tion of the heels, and quarters of the hoof. When

and more concave, on its inner surface than oth- some man quite as pious, has said there is a time detestation all the vices, which may sometimes erwise. The crust of flat or convex feet is usu- for all things.—There is a time to work, and a be incidental to the abuse of these rational amuseally weak; therefore, great care is required in time to play, and every boy knows that he can ments. Mr. Jefferson we have understood could nailing on the shoe; and this will appear the more work the better for playing a little.—With re-never prevail on his horse to take him past a scribed; and when the pasterns are short and ra- U. S. from the most populous, and powerful, non the sight of it, ther upright, and the crust of the heels deep and slave holding State in the Union—with Thomas strong, a thin heeled shoe is proper. Such heels Jefferson, John Randolph, the venerable Judge general sprightliness and animation of his tempegenerally require to be lowered with the rasp or Duvall, Secretaries Adams and Calhoun, and drawing knife before the shoe is put on. Mr. many others of the greatest and best men of the liberal ideas on these subjects, we believe that he Coleman osberves, there are two circumstances Nation. Gen. La Fayette attended the late races was very recently, if he be not now the President necessary to be attended to in shoeing, viz. to cut at Richmond, and "expressed very great satis- of the Long Island Jockey Club. Such ease and the hoof, and apply the shoe. Before the hoof is action and pleasme at the exhibition." fle af- elegant affability of deportment as distinguish his protected by iron, some parts require to be re- fterwards dined with the Jockey Club, and gave intercourse with young men, as well as old, were moved and others preserved. This is even of the following toast: more importance than the form of the shoe. But "May all Nations enter the course of freedom many have attended chiefly to the form of the _we Americans have won the first race, but many have attended emeny to the form of the —we Americans have won the first race, but shoe, and not to its application, or to the hoof; there is a noble first for every one of the comand this error has done more mischief, and made heittors."

Judge Marshall gave the following:

"The Sports of the Turf, Virginia must be riers. The first thing, he says, to be attended to, indebted to them for her Cavalry." And this is to take away a portion of the sole between the was but the expression of an historical fact and ing knife; for the heels of the sole cannot receive physical power to Lee's famous Legion, during the pressure without corns. To avoid this, the soles Revolution, but the deep dash of blood, in his hortact with the shoe. If there be any one part of labour in such an extraordinary manner? A vul. fighting, and milling. crust. If a shoe does not leave ample space for have power as well as fleetness and bottom? shoe must then be made sufficiently concave on their value as brood mares or stallions? the surface next the foot, that the picker may be At the same festival, Mr. Calhoun gave the folpassed easily under it. But even in flat or convex lowing correct and liberal sentiment—" The gene-feet, the horn is generally sufficiently strong, to-rous Sport of the Turf, when pursued with honwards the heels to allow of being pared mode-our, calculated to improve the race of men as rately and made concave. In shoeing the hind well as horses;" and so it assuredly is—and so foot it will be sufficient to pare off the horn from does every thing which brings men together in the sole, and make an even sorface for the shoe, open field—It is a publick exhibition of qualities, which may always be flat on both surfaces; as no and character, where all naturally desire to apinconvenience would arise if it happen to bear a pear well, where laws of honour are enforced, little on the sole. It is usual to turn up one or where social feelings are cultivated, where ideas This should not be done unless the horse is work something, and none lose any thing, of informations which render it necessary; and tion—here, as every where else, we would stigma-as if it had not happened, provided he went back to the place then the outer heel only should be turned up, and tize and proscribe the detestable practice of where the rider fell the inner heel made thicker than the toe and gambling; and as for drunkenness, the disgusting quarter, so that both heels may be equal. It is infamy of that, carries along with it, its own punneedless to describe here the various kinds of shoes, that have at different times, and by different authors, been recommended. The feet of for this beastly vice, but the slave of that degrabad management or accidentally, and no one form and the company of Gentlemen, to play the brute. of shoeing or mode of paring the foot can be applied indiscriminately. The reader who wishes turf, and its generous competitions, and the genfor a more particular account of this subject is re Structure, Economy, and Diseases of the Horse's foot.

SPORTING CALENDAR.

[We have long been of opinion that Field Sports] of almost every kind are worthy of encourage- nity of attending the Races, or the Theatre; Idrawn before the Plate is won, are distanced.

sure: The shoe for such a foot should be wider, ment-Solomon, we believe it was, and if not him and we apprehend no man living holds in greater

whole length of the bars and crust with a draw- a self evident truth-what gave such superior should be made concave, so as not to be in con- ses, that enabled them to endure neat, thirst, and shoeing more important than the rest, it is this gar notion prevails that because the blooded horse removal of the horn between the bars and crust, is not heavy, that therefore he cannot be strong When this is done, the horse will always be free because he is lean, therefore it is thought he must from corns, whatever be the form of the shoe be feeble,—but, does strength consist in meat or Besides this, the heels of the shoe should be muscle? Is it not self evident, that the horse, made to rest on the junction of the bar with the which runs four miles in eight minutes, must a picker to be passed under it, either the shoe or and how are these qualities to be cultivated and ed any time in the year 1823, is one year old on the 1st of the sole should be made more concave. When secured so well, as by an honourable and manly May, 1824. the sole appears in flakes and thick in substance, countenance and pursuit of the Sports of the Turt? it will be better to make the sole sufficiently hol- would you have a man sneak out alone, and take dataset. low to admit of the application of a flat shoe, as it a seat on a fence rail to contemplate in solitary will rest only in that case on the crust. But when silence his servant riding his horse against time? the sole will not allow of being thus pared, the or how would you test their power, and by that,

horses are o ten variously deformed, either by ding propensity, will never choose an open field, tlemanly intercourse which it establishes, that ferred to Mr. Coleman's splendid work on the necessarily makes either Gamblers or Drunkards -we repeat, therefore, in the words of Secretary Calhoun, that the generous sports of the turi when pursued with honour, are calculated to improve the race of men, as well as horses.

Mr. Adams, we know never misses an opportu-

necessary, when it is considered how much pain spect to Racing, were we required to justify, by race course, without calling to enjoy the exhilirathe animal must suffer, and what severe lame- authority, our approbation of that, without going ting enthusiasm which a scene so animated never ness may ensue, should he happen to lose a shoe back or beyond our own time or country, we could fails to kindle—and our own venerable Judge during a journey. Horses that have long and ob produce the names of Gen. La Fayette, the NA. Duvail, the model of God's "noblest work," lique pasterns, with weak low heels, require a TION'S GUEST, John Marshall, Chief Justice of shakes off from his hoary locks the frost of the eshoe rather thicker at the heel than that just de- the United States, Rufus King, Senator of the score years and ten, and grows young again at

A very spirited effort has been lately made to revive the Sports of the Turf in this State, with an express view to the improvement of the breed of horses-but that effort has been as we may soon shew, ill directed and ill supported. In the mean time, the spirit for such amusements is reviving in the Country, and therefore without in any manner neglecting the great objects an I duties of this journal, we shall give a portion of it to record the result of trials of speed, as well as of skill, in other sports-taking special care always to keep clear of, and to reprobate gaming, cock-

For those of our readers who take an interest in the subject, we subjoin the following, which may be considered as authority, in explanation of the terms and the Laws of Racing, "according to the modern English practice," as the Lawyers say.

LAWS OF RACING.

Houses take their ages from May-Day, i. e. a horse foal-

May, 1824.

Four inches are a hand; 14 pounds a stone; 240 yards a

Catch-weights are, each party to appoint a person to ride without weighing. Feather-weight signifies the same. Give-and-take Plates, are weights for inches; fourteen

hands to carry a state-I weight, all above or under to carry extra, or be allowed the proportion of 71bs to awineh.

A Whim-Plate, is weight for age and weight for inches.

A Post-Match, is to insert the age of the norses in the articles, and to run any horse of that age, without declaring till you come to the post to start.

Handicap weights are, weights according to the supposed abilities of the horses.

Plates or shoes are not allowed in the weight

The horse that has his head at the Ending-Post first, wins

Riders must ride their horses back to the Winning-Post to weigh; and he that dismounts before, or wants weight, is

Horses not entitled to start without producing a proper certificate of their age, &c. if required; except where aged horses are included, in which case a junior horse may sart without a certificate; provided he carry the same weight as

an aged horse. For the best of the Plate, when there are three heats run, the horse is second that wins one. For the best of the heats, the horse is second that beats the other twice out of three times, though he doth not win a heat.

When a Plate is won at two he its, the preference of the horses is determined by the places they hold in the second

When three horses have each won a heat, they only must start for a fourth, and their places will be determined by it, there being before no difference between them. No distance in a fourth heat.

In running heats, if it cannot be decided which is first, the heat goes for nothing, and they may all start again, except it be between two horses that had each won a heat. Horses does not start again, is no bet.

confirmed bet cannot be oil, without mutual consent.

Either party may demand stakes to be made, and on refusal may declare the bet void-

If a party be absent on the day of running, a public declaration of the bet may be made on the course, and a demand whether any person will make stakes for the absent party if no person consent to do so the bet may be declared void.

Bets agreed to be settled in town or any particular place, cannot be declared off on the course.

"The person who bets the odds, has a right to choose his horse or the field. When he has chosen his horse, the field is what starts against him; but there is no field unless one

Il odds are bet without mentioning the horse before the race is over, it must be determined as the odds were at the

time of making it.

No. 34.

Bets made in running are not determined till the Plate i won, if that heat be not specified at the time of betting. Bets made between particular horses are void if neither of them be the winner, unless specified to the contrary.

At Newmarket if a match be made for any particular day in any meeting, and the parties afterwards change the day, all hets must stand; but if altered to a different meeting, hets made before the alteration are void.

Bets determined, though the horse does not start, when the words "alsolutely," "run or pay," or "play or play," are made use of in hetting. For example, I het that Mr. Udny's eh m. Mirandola, absolutely wins the King's Plate, at Chelmsford, in 1824. I lose the het though she does not

All double bets are ennsidered as play or pay.

Since Epsom Races, 1822, all hets are made in pounds, and not in guineas, as formerly.

Horses running on the wrong side of a post, and not turning back, are distanced.

ing back, are distanced.

Horses distanced, if their riders cross or jostle.

Horses that forfeit are the beaten horses, where it is run

Bets made on horses winning any number of plates that year, remain in force till the first day of May.

Money given to have a bet laid, not returned if not run.

All matches, bets, and engagements, are void on the decease of either party before determined.

An untried stallion or mare, is one whose produce had not started in public at the time of closing the engagement.

In estimating winnings it is the practice to consider the clear sun gained only, and consequently to exempt the winner's stake. A winner of a sweepstakes of 20 gs. cach, (3) subs.) is, therefore, not disqualified from running for a 50%, plate, expressed to be for horses that never won plate, match, or sweepstakes, of that value.

PARTRIDGE SHOOTING-Commenced.

See how the well-taught pointer leads the way, The scent grows warm; be stops: he springs the prey;
The fluttering coveys from the stubble rise,
And on swift wing, divide the sounding skies;
The scuttering lead pursues the certain sight,
And death in thunder overtakes their flight.

was shot last week at WAVERLY, on Elkridge, between George Patterson, Esq. and Col. Hindman, on one side, and George Howard and J. Ridgely, Esqs. on the other.—Mr. Howard generously abandoned his own grounds to his guests, taking his partner over the neighbouring fields of "the Manor." The whole number of birds, bagged, was 86. The match was won by Mr Patterson and Col. Hindman, who hunted on the fields of Waverly. Gentlemen who are beaten generally have some ready excuse; so in this case, the losers allege that their sport was spoil having missed his 2d, 3d, 6th, 7th, 15th, and 20th. sylvania. ed by the ill conduct of some 'ill-broken dogs of no man ever contracted dyspepsia, or imbibed an ing was nearly equal, Mr. Coke having won by ignoble passion. The best way however to test one bird only. Mr. Cottrel evidently lost two the skill of the sportsman, is that practised so birds by their dropping out of bounds. The winher shall not know whether his pipe is a light of much, at this season, in England; where each ner killed twelve from fifteen. Mr. Willoughby, otherwise!— Economist.

A het made after the heat is over, if the horse betted on man has let out for him, a given number of birds from Essex, and Mr. Cottrel, next shot at seven from a trap, and to those who have not read accounts of these matches, the small number of oirds which escapes the quick eye and steady nerve of the practised gunner, is truly surprising. For the amusement of our young sportsmen we at one time; if more be used, they should be unsubjoin accounts of some of these matches, taken trom the September number of the "Annals of consequent vexation to the sportsman. Where Shorting," received in exchange for the Ameri- there is an abundance of game, one dog will be can Farmer

> Pigeon-shooting .- New Hats and Ashton clubs. -The last of the crack-matches between those celebrated Clubs, took place, on Monday and Tuesday, 15th and 16th of August, on Fairfieldheath, between nine members of each, at seven pigeons each, for two hundred sovereigns a side; two ounces of shot, and the bird twenty one yards from the gun. Some excellent shooting took place, and it was a close match, as the following statement will show :-

> > NEW HATS.

			1/1	пe	α.	ıst	Q 2	ıy.	20	da	у.
Meadows .							7			5	
Bouverie .							6			4	
Captain Forbes		•		•			6			7	
Minshul .	•				•		0				
		•		•			6			5	
Nowland .					•		5		Į.	6	
Dulfield .							5			4	
Moore .							4		1	4	
Golding .							4 3			6	
Kitchener .						•	Š			5	
iriteliele .	•		•		•		~		ı	3	
								4	5	48	
								-	-	-	
								To	tal	93	
	Α	SI	то	N.							
	••				1	1 et	da	y.	24	day	,
Forster			121	110		130	7	٠,٠	, Zu		
	•		•				- (4	
Mansel .		٠		•		•	7		1	5	
Howard .							6		1	5 5 3	
Ramsey .							6		ĺ	3	
Fortescue .							5			4	
Page .	-				•		5			5	
Frament.		•		•		•					
Fromont	•				•		4			6	
Captain Smith.							4			6	

There was much sporting at 6 and 7 to 4 on shooting, but the third and fourth shots on each Pheasant, in St. Giles's, Oxford. Weight of rider, side brought betting even the second day, and the twelve stone. same odds were betted on the Hats after the fifth shot on each side on the second day, viz: 7 to 4. A match at killing partridges we understand Many birds escaped the extended boundary of 100

48

Total 92

F. Cooper

Great pigeon-match.-Adam Arrowsmith, decidedly the hest Colombian shot in England, was Owen has come to this country for the purpose of engaged in a match at 21 birds, on Thursday, August 5, in the fields at the back of the King's Head, Stratford, before a full field of the best piestablishment upon a plan somewhat similar to geon-shots in the kingdom: the match was for 100 guineas. Mr. Arrowsmith killed 18 birds bouring in common for the benefit of the whole, from 21, missing the 8th, 9th, and 10th birds in and possessing equal interests. The Harmonites, succession. Mr. Chalkley killed 15 out of 21, it is said, are about to return to the state of Penn-

Pigeon-match.—The first of a shooting pigeon the hunt.—We are glad to see an increasing taste Kent road Pigeon clubs, took place, Monday, Autonic plans of forgery, which he has carried for rural sports arising amongst the gentlement gust 9, in the safest ground in England, the cuclo on for 16 years.

They lead our young men of the sures at the Red House, Battersea. The Chelsea

birds each. The former killed six and his adverary five.

In partridge-shooting, it will generally be found that two good pointers are sufficient in the field lound sufficient.

Pedestrianism .- During the first week in August, a young pedestrian, of the name of Bullock, undertook to walk seventy-five miles for two successive days. The ground chosen was between Cheltenham and Shurdington. He started from the Lamb Inn, and on the first day walked eighty miles with apparent ease, completing his undertaking on the second day, almost as fresh as when he started.

Trotting match for 200 sovereigns, at Ashford. -Captain Dalrymple undertook his match, to drive twenty-eight miles in two hours in harness, seven out, to and fro. The machine was a lofty newly constructed one, built for the purpose.-The horse is something under sixteen hands, and the seven miles were done as follows: The first seven in twenty-nine minutes thirty-six seconds; the second in twenty-nine minutes thirty-eight seconds; the third in thirty minutes two seconds. the wheels having been backed for breaking into a gallop; and the fourth, completing the twentyeight miles, in thirty minutes five seconds. Total, one hour fifty-nine minutes twenty-one seconds. He was backed to win at five to four.

An extraordinary mare.-Wednesday, 11th of August, a black mare, about fourteen hands high, was rode the distance of fifty miles in four hours and twenty-five minutes, (the time allowed being five hours and a half,) having been purchased only two days previous at Wadley fair. She performed the first twelve miles in fifty nine minutes and thirty-eight seconds; the second twelve in sixty minutes twenty-two seconds; the third 12 in sixty minutes fifty-eight seconds; and the fourth twelve in seventy-four minutes two seconds; and the last two miles in ten minutes; having one hour and five minutes to spare. - Although not in good condition, she did not appear the least distressed. This feat was performed on the Ashton Club, at the close of the first day's the Banbury road, the horse starting from the

-0-PSCRAPS FROM LATE ENGLISH PAPERS. Selected from the Albion.

It is mentioned in the London papers that Mr. that of the Harmonites-that is, each person la-

A Mr. Fountleroy, the acting partner in the a neighbouring gentleman that joined them in match between the members of the Chelsea and house of Marsh & Co. has been detected in ex-

town too, at leisure times, away from the vicious candidate was a gentleman of the name of Coke, a real enjoyment, that a confirmed smoker shall haunts of a populous city, into open fields, where and that of Middlesex, a Mr. Cottrel. The shoot be blind folded after taking three whiffs; and let

Smith is a very common name, but hardly any ford a parallel. And we would presume, sir, to body would have thought of turning its common express our conviction that a predominant cause ness to account in such a queer and cruel way as of this signal result is to be found in the influence a "gentleman" did, the other night, at one of the of the measures which an enlarged and enlighten of twenty Mr. Smiths rushed out of the pit, and and in establishing them upon the wide and stable the wicked wag, chuckling at the success of his foundations of a beneficial reciprocity, has employ stratagem, coolly took possession of one of their ed the most effectual means to secure, augment, vacated scats.

Incledon being one day at Tattersail's, when Suett, who happened to be there too, asked him gislation of the period, we recognize principle. Do you think Dicky, you could tell the difference estimate of imperial interests. between a horse and an ass?" "Oh yes," said To which he answered:—I Suett, "if you were among a thousand horses, I

should know you immediately."

Mr. Kemble is said to have engaged the cele-

brated French Tragedian, Talma.

It is announced in the London Gazette, that pay the 13th October.

The Jews who have heretofore occupied the interests of commerce are best secured. principal streets of Warsaw, are commanded by an imperial Ukase, to remove, by the 1st May, into the most remote streets.

The widow of Christophe, the ancient Chief of St. Domingo, arrived on the 16th inst. from and growing prosperity, is the sincere wish of, London at Ostend, on her way as is reported to gentlemen, your most obedient, obliged, and faith-London at Ostend, on her way as is reported to gentlemen, Italy. She is accompanied by her two daughters ful servant. and suite.

Alderman Garratt is elected Lord Mayor of London.

Railways are about to be constructed in all parts of the Kingdom. A joint stock company had been formed at Edinburgh to construct one between that city and London, for the conveyance of goods and passengers. The former were exan hour.

The celebrated Major Cartwright, the advo-23d of Sept. in the 84th year of his age. We formation on the subject. shall publish some account of his political life

next week.

Last week a ship was taken on a slip in Plymouth Dock-yard, lifted on Sir Robert Sepping's tide !- Courier. Sept. 17.

Silver in bars of the value of three hundred thousand pounds, passed up the Portsmouth and Portsmouth to London, having recently arrived

from South America.

Covent-Garden Theatre re-opened for the season, on the 27th of September, with Romeo and

ANSIE CHANGE OF ENGLISH COMMERCIAL POLICY.

On a late visit to Ireland, Mr. Canning, the British Minister was addressed by the Dublin

on his arrival in Ireland, they add:

whose political services, have excited the tribute Annapolis, and reaches Easton about sunset. of a nation's homage, we are not insensible; but, in accordance with the peculiar design of our Institution, we would upon this gratifying occasion, ces the great national interests which the Commerce and Manufactures of these realers involve,

Messeurs Smiths.—Every body knows that the commercial records of the world scarcely af- events, we hope to hear from him as often as his mith is a very common name, but hardly any ford a parallel. And we would presume, sir, to convenience will permit. The oftener the better. and perpetuate their prosperity

Sir, in the character of the Commercial Le-

To which he answered:-I beg you to be assured, gentlemen, that the gratification afforded to me by the favourable manner in which you are pleased-to express yourselves of me individually, is, if possible, exceeded by that which I derive from the testimony of so many enlightened pracments to American loyalists will be resumed on tical members of a great commercial community in favour of those principles by which the true

> That, by the steady operation of those principles, the prosperity of the whole United Kingdom may be progressively augmented, and that Ireland may enjoy her full share of that general

THE FARMER.

BALTIMORE, FRIDAY, NOVEMBER 12, 1824.

To Correspondents.-H. is entitled to our thanks for bringing to our recollection the -The Editor of the Farmer made this morning pected to be carried 8, and the latter 12 rails in promise relative to Hogs going at large. His a tour of the wharves and places of business, to note has been sent to a legal friend who takes ascertain the prices of various articles—scarcely particular concernin the cause of Agriculture ;- any change has occurred since our last quotations. cate of universal suffrage, died in London, on the and from him we hope to derive the necessary in- The following are the prices of grain and flour

wouldbe the best practicable legal provisions that 97 cents-Wharf Flour, \$4.62\-Howard-street, could be enacted by the Legislature of this State, plan, her old false keel taken out and a new one put in and fastened, before the re-flowing of the tide!—Courier, Sept. 17.

The ideas of our correspondance in this State is re-flowing of the plant in and fastened, before the re-flowing of the firedations by dogs? The ideas of our correspondance in this State is redents on this subject will be very acceptable; and the more so, as it is supposed that provisions, ap-Arundle canal, on 21st Sept. in a lighter, from plicable to the condition and circumstances of Ma-

Juliet; Romeo, Mr. C. Kemble; Juliet, Miss miles from Baltimore, on the Frederick Road, F. H. Kelly. miles from Baltimore, on the Frederick Road, on Taesday, Wednesday and Thursday, the 23d As to the article generally, no change has occur-24th and 25th of this month. Steamboat returns red in its value. from Easten on the Sunday preceding, taking a premium at the one place, does not preclude it at another,

CATTLE Shows .- At Easton, in Talbot Coun-Chamber of Commerce; after congratulating him to, Maryland, on Thursday, Friday and Saturday, on his arrival in Ireland, they add: To the claims of a statesman, the splendour of boat leaves Baltimore for Easton at 7 A. M. on liberal credit, on the first day of the ensuing Catwhose personal attributes, and the importance of Wednesday the 17th,—touches for half an hour at the Show, at 4, P. M. If not sold it will be leas-

IF The Editor presents his best respects to his unknown, but agreeable correspondent, Rusticus address you, sir, rather in your distinguished re Junion, who writes with the peu of an accomlations with an administration under whose auspi plished scholar and naturalist. We should be have assumed a vigour and expansion to which larly appropriated to " Natural History;" at all - idvertisement, &c.

F Certain proceedings of the Washington Agricultural Society of Tennessee, and of the Agricultural Society of South-Carolina, have been theatres. Entering the pit at half-price, and findtheatres. Entering the pit at half-price, and findting every scat occupied, he bawled out—"Mr.
Smith's house is on fire!" In an instant, upwards

liberating these interests from hurtful restrictions

liberating these interests from hurtful restrictions

on fire!"

In an instant, upwards renient.

17º WOOL .- We cannot but think that this is r much neglected resource, which, if improved to its practicable extent, would grow rapidly into great importance. It is a scandal to the Legislatures of the Middle and Southern States, that if he was come there to buy horses? "Yes," no loss congenial to the liberality of your spirit latures of the Middle and Southern States, that said Incledon, "but what are you come here for? than consistent with your just and comprehensive in provision is made to protect Sheep from dogs. in an Ohio paper of the Soth ult. we find the following advertisement :-

> The subscribers will receive Wool at the annexed prices; and under a hope that the New Tariff of Duties may have some influence in promoting the sales of their Cloths, they have been induced to change their terms of payment, from what they lately proposed in their advertisement.

> They will give their notes, payable in cash, at twelve months, or pay in cloths on delivery, or whenever afterwards demanded. Should the wool be washed on the sheep, they will make a reasonable addition to their stated prices.

1st c	juality,				80	cents	
					60	do.	
3d	do				45	do.	
4th	do.				35	do.	
5th	do.				25	do.	
			В.	W	ELL	S &	CO.
				S	tuber	wille,	Ohi

SO() PRICES OF COUNTRY PRODUCE.

founded on actual sales this week :-

Corn, 38 a 40 cents-Rye, 38 a 40 cts.-Wheat, TO QUERE TO CORRESPONDENTS --- What white, for family flour, \$1.06 a \$1.08-Red, 95 a \$5.121-best family Flour, \$6.50 by the barrel,

OHIO TOBACCO .- The cultivation of fine Tobacco in this State is rapidly increasing-A merchant from Belmont County brought some bondles, which were represented as fair samples of sevenryland, would apply generally to the States South bly bring \$25 per hundred. Another says, there of it. ty hogsheads in his possession, that would proba-The Cattle Show for the Western Shore of Which would bring \$20 per hundred.—A hogs-maryland takes place at the Maryland Tavern, 4 head of waggon Tobacco sold this week for \$35

CF The Maryland Tavern,

WITH FIFTY-FIVE ACRES OF LAND, and well watered, together with a good proportion of WOOD LAND, will be offered for sale, on a ed or rented.

CONTENTS OF THIS NUMBER.

Report of the Pennsylvania Agricultural Society-Address of the Massachusetts Agreeditinal Society—Memorial to the citizens of the United States—Disease of Domesplished scholar and naturalist. We should be the Animals, and their cure—Laws of Bacong—On Pertridge gratified to place at his command, and have him Shooting—Scraps from the English papers—Change of Encoupy, a few columns of this journal, to be required to Commercial policy—Editor's notices—Prices Current

AGRICULTURE.

MASSACHUSETTS AGRICULTURAL SOCIETY.

REPORT No. I.

The Committee on Fat Cattle, Bulls, and Bull Calves, beg leave to report, that it was with much regret, they perceived but one competitor for the premiums for fat cattle. It is indeed extraordinary, that in this grazing State, and in a market so well supplied as that of Boston, with the choicest beef, such a case should ever occur. We are persuaded, that it arose from a general but very erroneous impression, which we have taken all the pains in our power to eradicate, that our premiums are given to heaviest animals, and that it is in vain to compete where it is known, that very extraordinary animals are to be sent. It was probably well known to the Western Graziers, that the two fine cattle from Shrewsbury were to be offered, and they presumed that they would carry the two first premiums .- Nothing could be more erroneous than this opinion, and it is an error of great moment to the interests of agriculture.- Let it then hereafter be distinctly understood, that we have repeatedly granted premiums for fat cattle weighing 1800 pounds to the 2000 and upwards. Our principles are, to give the premium for fat cattle not to weight only, Mc. Intyre of Needham, for his bull, 2 years old, but upon a combined consideration of form, ap-of a native breed, from Westminster, called very titude to acquire flesh, distribution of that flesh, improperly the Yorkshire breed. There is, I bein the parts, which are most valuable for food, lieve, no colour for this appellation. It is a small and smallness of offal. We take into considera-breed, existing in that part of Worcester county, tion also, the mode of feeding. Other things most remarkable for the delicacy of its limbsequal, we give the preference to those which the roundness of its carcasc—its disposition to fathave been worked till within a short period be ten, and especially the almost unnatural size of fore they are offered. I undertake to say, that a its hind quarters. I cannot withhold my personal fine fat heifer weighing 1000 or 1100 pounds—or doubts, about the utility of propagating, too exa fine steer of equal weight, whose forms were tensively, a race so very small. It is remarkable, beautiful, whose flesh was profitable, and whose that they preserve these characters and marks in stood a fair chance of gaining one of the premi ums against these fine large sized cattle. The Princeton, of the same breed, and another of the real object of Agricultural Societies is, as it ought same race, of H. G. Buttrick, of Westminster, a expensive mode of preparing fat cattle for mar-several years since, sent to our Show. ket.

excellent farmer, who obtained the prizes to say, Coelebs out of an imported cow, remarkable for that his oxen were of the first class, as to form, the quantity of milk she gave. It was stated by and useful flesh and tallow. They were excel-the attendant, who exhibited, that his dam had any country. To the honor of the candidate we known, that she is very much distinguished as a would remark, that they were raised by himself, milch cow. and were a fair sample of his own stock.

Although no one entered the lists with him, vet he ought not to suffer from this cause, because they were animals which fully deserved a prize.

We award therefore to Seth Wyman of Shrewsbury, the first premium of 25 dollars for his yel low ox, weighing 2452 pounds at 7 years old.

And the second premium of 20 dollars to the same person for his brown ox of the same age, from Holderness and Fill Pail, shewing a marked weighing 2469 pounds. In this case, it will be resemblance to one ancestor as to colour, and the observed, that we pre erred the smallest ox, and other as to form. we have no doubt the butchers and consumers will

prefer him.

We now come to the consideration of a part of finest points of his sire. our exhibition in which it is very difficult for the Committee to say whether pleasure or pain hibited by J. W. Hubbard, Esq. of Worcester. predominates or prevails-The pleasure regards the public, the pain themselves. It was truly rassing, as to bull calves. grateful to those of us who have looked forward, our stock, to hear all our numerous visitorsbouring, and distant states-and others from Eu-bury-1 Colebs-1 Fill Pail-and 1 Native.

rope, speak in terms of the highest commendation of the exhibition of our bulls, and their young progeny, male and female. Out of thirteen bulls on the field, there was not one which could be called ordinary. These Shows have utterly banished that race of thick necked, and lean quartered animals, of great but bad proportions, which used to be sent to them, because they were much thought of in a remote circle.—On this occasion the bulls were very fine—and the difficulty of selection was of course increased. To decide between two animals of the finest proportions, is of course embarrassing, and it is very possible, that no other three persons would select precisely the same three animals. One fine point would strike one individual, and another would make an impression on a second. There is however one satisfaction in such a case, that you are sure the choice must fall on a good one. The experienced farmers who were associated with me, to my certain knowledge, anxiously examined every animal. I have been often associated with them, and it is but just praise to say of them, that more candid and more upright men could not be appointed to perform such an embarrassing duty. With these perform such an embarrassing duty. necessary and proper explanations, the Committee award the premium of 30 dollars for the best bull, to Benjamin Harrington, of Princeton, 18 exclusion of others on the field which weighed months old, of the Holderness and native breed, gives us a right to expect, that he will be a most

The second premium of 20 dollars, to John valuable addition to our Stock cost of fattening had been small, would have whatever quarter of the country they appear. There was a beautiful bull of Mr. Boylston's, of to be, to encourage the most profitable and least town, from which the first bull of this race was

The third premium of ten dollars was awarded Having made these remarks, we owe it to the Hon. William Gray, for a beautiful bull by lent, and would be distinguished at any show in given from 20 to 30 quarts per day. It is well

There were many other extraordinary bulls, a very beautiful one exhibited by the Hon, Bezaleel Talt, of Uxbridge. A fine and beautiful bull exhibited by Mr. Watson of Princetoo, of the same Yorkshire breed, which we should prefer to call the Westminster breed, being satisfied that it is purely native.

Dr. Chaplin exhibited a fine bull (Commodore)

There was a noble bull presented by George Spurr, from Cælebs, but he did not shew the of the reputation of the Teeswater race.

There was an excellent bull from Denton ex-

There were difficulties, though not so embar-

many from our own State, others from neigh-lof 10 dollars, to Nathan Peirson, of West New-Jare introduced to the Society, will be admitted as

The third premium to the Hon. John Wells, 5 dollars, for a bull calf from Holderness, Cœlebs, from Bakewell.

We ought to observe that Mr. Wells exhibited a fine pair of twins, a bull call and heifer, from Cœlebs out of a Bakewell cow, and one or two other fine heifers, of which, being Chairman of the Committee on that description of Stock, he could take no notice.

Mr. Prince presented a beautiful bull calf La Favette, being almost wholly of French breed, -Alderney and Norman. This race is not remarkable for flesh, but valuable for milk.

On the whole, it must be obvious, that Cœlebs has done much towards the amelioration of our cattle -His progeny are certainly fine .- If Denton and Holderness do not exhibit as many at the Brighton Show, it may be, and probably is, owing to their location-It is too far to send them. Yet a Holderness, if will be seen carried the first premium, and neither of the Committee who decided, knew of what breed he was. This suggests to me the propriety of concealing the breed of the animals offered, till after the decision.

The animals presented by Admiral Sir Isaac Coffin were exhibited together. None of them except Admiral have yet had progeny—One of his calves, now owned by Mr. Derby of Salem,

The Herefordshire breed sent by Sir Isauc Coffin, is highly esteemed. It is certain that the heifer of that breed sent Admiral Colfin, is one of the most beautiful animals ever exhibited at our Shows.

Mr. Prince exhibited a North Dover Bull, probably of the same race with those which received so much praise from the Worcester County Society. On the whole, we have every reason to believe that we are in a fair way to improve our own native breed, not only by selecting the best of them, but by the propagation of those which have been most approved in Europe.-I repeat what I have often urged on this occasion, that more is to be expected from excited attention to the improvement of our own stock than from importation.

JOHN LOWELL. Chairman.

Note -From haste and indisposition, I omitted to notice several fine animals sent for exhibition only. If designed, this omission would have been unpardonable, since the Society and the publick are much indebted to gentlemen, who, at their own expense, send fine objects, whether of nature or art, in order to increase the interest of

Gorham Parsons, Esq. exhibited the fine Alderney Bull, given to the Society by Mr. Hubbard, and bought by Mr. Parsons, of the Society. He is much improved, and is a fine specimen of this valuable race. He exhibited also another fine ball and heifer of his own raising.

Col. Jacques, with his accustomed zeal exhibited Colehs, Yankee, and several other of that fine race, who are always sure to attract attention.

John Prince, Esq. exhibited a fine calf fron Admiral, shewing that his stock are fully worthy

There was a most beautiful bull of the same race imported by George Lyman, Esq. and sent for exhibition. We could not perceive that he was inferior in any point to the best of the breed. It is quite possible, that I may still have over-We award the premium of 15 dollars for the best looked some which ought to have been noticel, as we have done, to the rapid improvement of bull calf to Nathan Nicols of Malden, from Collebs, but I trust that the confusion of the day, and the The second premium for the next best bull calf, attention I am obliged to show to strangers who a sufficient excuse.

REPORT No. II.

The Committee on the subject of Agricultural Implements and Inventions, Refort:-That six cast steel Hoes were entered by Z. and F. Bisbee of East Bridgewater, in the county of Bristol The invention consists principally in the eye of the hoe, which passes through the plate of it and is rivetted all round, instead of on two or three sides, as in the common hoe .- This conformation gives many advantages as from inspection is apparent. Their cost is seventy-five cents. Mr Bisbee produced certificates that they had been used and approved by practical farmers, and were considered cheap, compared with other hoes, at that price. Considering the importance of the instrument, and the apparent utility of the ior provement, the committee recommend a premium of \$10.

An iron Bit Stock was entered for premium, by Eleazer Smith, of Walpole, in the county of Norfolk. The instrument exhibited was extremely well finished, and displayed great inge nuity and excellence of workmanship, Its adit was less likely to be twisted off by hard ser vice-that the end of the stock, where it turns, mium of \$20. is of tempered steel, to prevent wear by using; turning on a centre and neck of hardened steel; enclosed by a sort of box of iron, screwed togeth. er, so as to contain oil and a piece of iron, called the breast piece, which is applied to the breast or hand, in using, and which contains a screw of steel, for the centre to turn upon; the other end of this centre or stem is all of steel, and let into the stock by a square hole through it, with a nut countersunk, so as to fasten that part togetherthe object aimed at being durability, ease of reinventor has effected; and if, as he states, it may cheaper than English steel bit stocks, it is a vacheaper than English steel bit stocks, it is a valuable improvement. Under all circumstances, therefore recommend a premium of \$5. the committee would have awarded in this case

wheels.

the inspection they have given of the machine award any premium in their power. with the horizontal wheel, that it is preferable to John Bicknall, of Buckneld, presented for prethe other, and indeed to any other they have beof feed, which is effected by Mr. Safford's malannexed, marked B, with certificates of its prac-chine, to be next described. The cost of this tical application. machine is stated to be from twenty to forty dollars. of \$15.

Mr, Noah Safford, of Springfield, Vermont, al-The principal advantage of this machine ting the length of straw or hay to be cut at pleasure, by means of cogs of different diameters.

All these machines had very satisfactory remate to a very pertect instrument.

Considering the great zeal and labour Mr. Safford has exhibited in improving this instrument, and his success, the committee recommend a premium to be awarded to him of \$10.

Josiah Jaquith, of Brunswick, State of Maine, entered for premium a Corn Sheller, of a new construction,—consisting of a cylinder of cast iron, fourteen inches in height, with a perpendicular shaft passing through it and terminating in a centre point at the bottom. The cylinder is ribbed fastening window blinds were exhibited by Mr. at equal distances, set in motion by a cradle, and Charles Willis and by Mr. John M. Dearborn. the operation greatly facilitated by a horizontal The Committee could not hesitate in giving that balance wheel. It did its work very perfectly and the committee have no question in giving it a however, they consider useful improvements. decided preference over any other before exhibited. Its price is twenty five dollars. And they bedstead, which takes asunder with great facility, recommend a premium of \$10.

premium was granted the last year, on condition last inventions as entitled to more than a respectof his producing the requisite certificates. The ful notice, they not being in any sense agricultucommittee however, do not deem that the certi- ral implements. All which is submitted by order ficates adduced amount to such an evidence of of the Committee. use by practical farmers as their rules require. vantages were stated to he-that, being of iron, Whenever such evidence be adduced, if within six months, Mr. Jaquith will be entitled to a pre-

An improvement on the Ox Yoke was entered by John Mears, of Dorchester, County of Nor folk, with certificates of its being used and ap proved by practical farmers. The improvement consists in a better adaptation of the form of the yoke to the neck of the beast, giving it a greater bearing by a sort of lip, on the back of the yoke, which can only work one way-and also in a greater extension of the bed and tips of the yoke so as to receive the bow into a bearing of six inches instead of two, as in common yokes. Alpair, handy use, and preservation of the oil. All though the alteration is very simple, yet in the these advantages, the committee apprehend, the opinion of your committee it is very important, considering the incumbent duty of every farmer be afforded to be made for five dollars, and even to consult the ease and convenience of this useful

Messrs. Trumbull & Boynton, of Northampton, a premium, had it been an agricultural implement. County of Hampshire, presented for examina-Mr. Joseph R. Newel, of Boston, presented al tion and premium a Power Loom; an instrument so for premium two Straw Cutting Machines, of their invention, and which has already been By cuttings of the vine sold for invented by Charles Willis, the one with a ver-admitted with great success in several of our tical, the other with a horizontal wheel. The most flourishing manufactories; weaving broad principles of the alleged improvement were the cloths as fine and cheaper than any other species same except so far as was necessary to accom- of loom. The utility of this invention is un-modate the work to the different position of the questionable. The committee however do not deem it entitled to a premium, within the scope of their authority. Were it otherwise, they should

minm a machine for grinding plaster, corn, or fore examined or seen, in point of facility of grain of any kind. This is a patented instrument, working and strength of construction, although and its character may be best understood by the it wants the power of regulating at will the length tenor of the specification of the patent, which is

Although the model presented would grind The committee recommend a premium plaster thoroughly into the state of meal, yet as t was necessary that it should be reduced into the size of a nutineg in order to pass into this so entered an improved Straw Cutter for premi-model, the committee did not think they could With less expense of labour and trouble than the

en to Willis' machine, with the horizontal wheel, it is apprehended, ultimate in a change of the ter of a vineyard has land of his own, he will not was decisive with the committee, yet the circummode of grinding. The power used being, from have to lay out any money for them. stance stated relative to S. flord's machine, they the nature of the machinery, so much less than Observations, &c.—This wine was made from considered as an unquestionable improvement; that used in mills of the ordinary construction, the produce of two acres of land; the produce and combined with that of Willis', would approxi- The Committee deem the invention entitled to a (in grapes) was upwards of three hundred bushpremium of \$20.

Mr. Joseph R. Newel also presented a very excellent plough, constructed by Charles Howard, of Hingham. The Committee cannot doubt that it is a very fine plough; and, judging from its form and workmanship, inferior to no other. Your Committee do not conceive, however, that it can he entitled to a premium, from any particular characteristic invention.

Two species of improvements in the mode of of Mr. Charles Willis the preference. Both,

Mr. Dearborn also presented a new constructed and seemed less exposed to harbour vermin than Mr. Jaquith also presented the same Threshing those of the usual construction.—Your Commit-Machine, which was approved and to which a tee, however, have not deemed either of these

JOSIAH QUINCY, Chairman. Brighton, Oct. 21, 1824.

FOR THE AMERICAN FARMER. AMERICAN VINEYARDS-PRODUCE OF MR. ADLUM'S.

An Account of the Capital employed and the Produce of my Vineyard, for the year 1823

	3 3 13	•	
	To 13 cwt. 3 qrs. sugar, at \$11, \$15	1	25
		8	00
ı	To 20 barrels, at 50 cents,	0	00
		0	00
		30	00
	Corks cost,	6	25
Ī		0	00
ı	Say one years' interest on the above capital		
1	emptoyed, which I think a fair charge		
ł	on \$405 50,	4	33
1	_		

Produce of the Vineyard principally sold this year, 1824, in Wine and Cuttings.

\$429 83

100 00

Wine sold to the first of this month, November, mostly in bottles, at from 5 to \$6 per dozen, the greater part at \$6, and some was sold by the gallon-total sold, 806 65 have on hand 30½ doz. bottled, at \$6, 183 00 Wine ready to bottle at least 36 do-216 00 zen, at \$6, have on hand, which will be ready to bottle between this and Christmas. 130 gallons at least, at \$1.50 per gallon, 195 00 used in the family and presents, at

\$1805 15 Total produce, Total cost, 429 83 Total profit, exclusive of labour,

least to the value of

award the premium offered for the best machine same space of tobacco ground, and it is less tronover the preceding, was in the power of regula- for pulverizing plaster. They cannot doubt, how- ble to prepare the wine and have it ready for sale ever, that it is capable of being improved so as than tobacco is; and the labour on one acre of to effect that purpose on plaster in its usual state, vines is not of more value than that of attending The model of this mill, and the evidence of its three acres of corn—the expense of the stakes to commendations; and although the preference giv- ntility, show many and great advantages, and may tie the vines to, excepted-and where the plan-

els, and upwards of eight hundred galions of wine.

about four acres, two of which had not yet borne accordingly. fruit. The wine alone came to \$1072 82, which is upwards of five hundred dollars profit to the the request in yours of 27th ult. though I have venue in the years 1821 and 1822, we were obligacre-And my opinion is, that after the vines none of the Saxon Wool, except what I send you, ed to borrow 8,000,000 dollars. come fairly into bearing (which is generally the I wish you had sent a sample of your best merino. fourth year after the cuttings are planted,) the What are the legal provisions in your State to average crop, say for seven years, will be about protect sheep from dogs-are they not often killfive hundred gallons of wine to the acre; -but if ed by them? Is the prospect improving with you, tile debt, and exclusive of the real estate sacrifithe vines are well attended to, there will be a for those who make wool an object !- please fa-

are planted.

I ever knew, and others whom I have consulted, and who have attended to grape vines for upwards such occasional missing of a crop, I think an advantage to the country, as it shews and demonstrates to the planter of vines, those that will ket for the last four or five years? &c. &c. stand all the vicissitudes of elimate, &c. This year my Tokay or Catawba, Bland, Madeira, and all the foreign kinds or varieties, perished; while the Schuylkill, Muscadel, Constantia, or Cape of Good Hope Grape, and Worthington, bore a fair crop-so that, from this circumstance, I would recommend to every person who may plant vines, to have a monety of these kinds, as I believe they will never fail to produce a fair crop, for such a year as this may not happen again in 20 years .- I have attended to grapes ever since the year 1798, and never knew so many to perish, which I attribute to the cold and wet weather, in the last week in May and the first week in June, which caused the blossoms to drop off, without the fruit ever forming or swelling, except the three varieties above mentioned; and where there was a few late blossoms came, after the first dropt off, the clusters and grapes were both imperfect, and the berries generally cracked and dried up.

For the time to come, I will sell the cuttings of taken, at the following prices: any quantity be-tween twenty and one hundred cuttings, four half cents each; from five hundred and upwards, three cents each; and the Isabella, including all Where any person writes for but one kind of and for the breadstuffs rejected by Europe. wine grapes, if under one hundred, five cents will

hundred are ordered.

JOHN ADLUM.

Nov. 11th, 1824.

J. A.

SHEEP-SAXON WOOL, &c.

TO THE EDITOR OF THE AMERICAN FARMER.

Sir,-in looking over your paper, No. 29, I dis cover that you have had sent you several samples of Wool; amongst the rest, a sample, I supfrom Saxony.

I have been eight or nine years using every ex-ertion to raise Merino Wool of the very best quality, and would be very thankful if you would nierchants, too many clerks, &c. &c. send me a sample of the very best Saxon Wool that you can procure, so that I can see whether my flock would be improved by crossing with that stock or not, or whether I may content mysel. with the very best of our merino stock.

Sir, by complying as above, you will confer a particular favour upon one of our subscribers.

MARK R. COCKRILL.

The cuttings of the grape vines sold, came off of dressed to them, and will thank them to answer expenses have been contracted within the narrow-

Dear Sir :- It gives me pleasure to comply with good many grapes on the third year after they your me with your views generally on this subject. What is the size of your flock-do you This year, 1824, was the worst year for grapes wash the wool on the sheep's back? It so, how much does it lose by that operation-and what is the average weight of the fleeces of your flock? of twenty years, are of the same opinion. But Has the merino woul degenerated under your observation, while kept unmixed with other breeds -at what prices have you sold-and in what marlast four 6. ... Yours, very truly, J. S. SKINNER.

Politicks of Agriculture.

TO THE

CITIZENS OF THE UNITED STATES.

Whether Farmers, Planters, Mechanics, Manufacturers, Merchants or Traders, without distinction of section, party, profession, or occupa-

(Concluded from our last.)

11. The value of property of every kind is subect to more fluctuation in the United States than in almost any other country in the world.

who arrive, a considerable proportion return to "MILLS IS AT PRESENT SUSPENDED!vines, where the various kinds of wine grapes are their native countries, disgusted and dispirited, which operates to deter others from venturing to our shores. Thus are we probably deprived ancents each; from one to five hundred, three and a nually of accessions to our population, of 30,000 persons, with all their wealth, talents, and industry, a large portion of whom would furnish a vamy foreign kinds, one dollar the dozen cuttings, luable market to the farmer for raw materials,

13. Pauperism has greatly increased among us. be charged, and four cents each if upwards of one. In the city of New York, there are 9556 paupers, of whom one sixth are permanent. In Philadelphia there are 4000, of whom 1500 are permanent. In the State of New York, there are 22,111 P. S. I am of opinion that as our wines grow paupers, of whom 6896 are permanent. In our older no sugar will be necessary, except in very cities great numbers of persons, able and willing wet seasons But as we are all quite young in the to work, but unable to procure employment, are business, it will take some years to ascertain the in winter reduced to a degrading dependence for support on soup houses and alnis.

14, Parents in our cities, who have sons growing up, are straitened to find occupations or pro-

fessions for them; for,

15. lu a country capable of supporting one hundred times its present population, almost every class is crowded, from the inaccurate distribution po e, from some of the sheep latterly imported of the labour and industry of society—there being too many farmers, too many cotton and tobacco planters, too many manufacturers generally, too many lawyers, too many doctors, too many

> 16. Our wealthy citizens find it difficult to employ their capitals to advantage, except in specu-

lations in the funds.

17. Our sinking fund, on which so much dependance was placed for the extinction of the national debt, has been absorbed, and is scarcely ever Great Britain and France, noticed at present.

18. During six years of profound peace, with superabundant harvests, and wholly free from any Answer to the above-which the Editor wishes great natural calamity, we have reduced our na-

est limits.

19. In consequence of the failure of the re-

20. In government, bank, and tanal stock, Europe is a creditor of the United States for 30 to 35,000,000 dollars, exclusive of a large mercaneed to pay for eign or bts, principally contracted for luxuries which we did not require, and which were pernicious, or for conveniences and conforts, that we could ourselves have supplied; by which means she drains us of a neavy annual tribute, in the shape of interest.

21. The balance of trade against this country. has drained us of almost the whole of our gold, foreign and domestic. There is searcely a gold

piece in our banks-none in circulation.

22. Thousands of our citizens, brought up to manufactures, and who, at that species of employment, would alford a market to the farmer for raw materials, and add greatly to the national wealth, are employed on canals and roads, and at other labouring work.

23. The very valuable woollen manufacture, which, by proper encouragement, might be rendered the second in the nation in point of importance, and which would furnish an inestimable market for wool, and thus enable the farmers to convert their unprofitable grain lands to pastur-

age, is almost entirely ruined.

"EXCESSIVE IMPORTATIONS OF FOR-"EIGN MANUFACTURED WOOLLENS, "HAVE FINALLY DISCOURAGED FUR-12. Immigration into our country, which might the woollen manufacture.] From this cause it be rendered a source of incalculable advantage, is almost entirely suspended. Of the immigrants "MORE THAN ONE HALF OF THESE "MORE THAN ONE HALF OF THESE THAN ONE HALF OF THE THESE THAN ONE HALF OF THESE THAN ONE HALF OF THE THESE THAN ONE HALF OF THE THESE THAN ONE HALF OF THE THAN ONE HALF OF T THER INVESTMENT OF CAPITAL, [in "In some instances the machinery for wool has "been laid aside, and other machinery employed in place of it. Those, who, in the hope of some " favourable change, still continue the manufac-"ture of wool, have gloomy prospects before "them."—Memorial from the woollen manufacturers of Providence, Feb. 1824.

> 24. The depression of farming has driven great numbers of our farmers to plant tobacco-and the consequent depression of tobacco planting has converted numbers of tobacco planters into cotton planters. Thus, for want of a due distribution of labour and industry, the different classes of society are crowding upon and depressing and ruining each other.

> 25. We exported 1,120,184 bushels of wheat-1,363,103 bushels of corn-26,948,115 shingles-19,451 hhds. of tobacco-48,910 barrels of tar and pitch-609,129 lbs. of indigo-and 17,725,301 feet of staves and heading more in 1790 than in 1823, although our population in the former year was only 3,929,306, and last year was about 10,500,000.

> We respectfully submit, that with the advantages specified in the preceding part of this memo-rial, it is impossible that such a calamitous state of things could exist, without so ne enormous and radical error in our policy. Were such depression inevitable here, no country could ever hope to enjoy prosperity; as no country ever had or can have the means of prosperity more completely within its grasp.

> While this depression and embarrassment pervade the nation, it is impossible not to be forcibly struck with the wonderful contrast exhibited by

Both those nations carried on for about twenty years a most desperate and sanguinary warfare, at an expense wholly unprecedented Great Britain expended 7638,000,000 dollars, of which all who pay attention to sheep, to consider as ad-tional debt only 10,000,000 dollars, although our 4053,000,000 dollars were raised by excises and loans. She is now encumbered with a debt of concerns are confided to your care, with full powwith more ease than we could pay direct taxes, or the causes, and ascertain whether any remedy an excise, of 8,000,000 dollars. Her excise alone, last year, was 114,000,000 dollars. One-tenth of how and by whom it may be applied. the produce of the land goes to support the clergy of the established church; and the dissenters have, in addition, to support their own clergy. Her executive costs more than four times as much as all the branches of our government, executive, legislative, and judiciary. Notwithstanding all these immense disadvantages, her wealth is most rapidly and unprecedentedly increasing. She draws silver and gold from almost all the nations of the earth. . She has made large reductions of her national debt and taxes-and has lowered the interest of 697,500,000 dollars of her debt from 5 to 4 per cent.—and of 310,000,000 dollars from 4 to 32. try so widely extended. She has an annual surplus of above \$22,500,000, wherewith she has established an efficient sink. ing fund. During the course of last year, loans were effected, or instalments paid in London, to different foreign potentates and governments, no less than £50,000,000, or 225,000,000 dollars. In one word, she is making wonderful advances in national "wealth, power, and resources," we are, in some important respects, actually retrograding-for, as we have stated above, the ex ports of wheat, Indian coin, shingles, tobacco, pitch and tar, staves and heading, and indigo, are less, some of them 20, 30, and 40 per cent, than they were in 1790! In 1796, our domestic exports were \$8 60-100 per head,-whereas in 1823, they were only \$4 50-100, notwithstanding the enor mous increase in the export of cotton since 1796. In 1796, the exports of Great Britain were only \$7 75-100 per head-whereas in 1822, they were 14 dollars.

With the details of the state of France we are not so well acquainted-but we can confidently her agriculture, internal trade, and manufactures are greatly increasing-and that she has effected large reductions of her national debt and taxes.

We are fully persuaded, that almost all the embarrassments and difficulties of our country arise from the over-proportion of our population em ployed in agriculture, whereby is produced the pernicious glut in the foreign markets, to which we have referred. But to avoid a controversy which could not answer any valuable purpose, we have forborne to enter into the discussion of bewildering theories of political economy-to defend or combat the conflicting opinions of Adam Smith and Alexander Hamilton-of John Baptiste Say and the venerable Franklin. We have studiously confined ourselves to substantial facts, which we request may be submitted to the most rigorous investigation. The country is arrested in the career of its high destinies, while other countries, less highly favoured, are making rapid shides towards wealth and prosperity. The great agricultural interest, embracing 83 per cent. of in the course of the winter, send you a barrel. mer-and, as it is of extraordinary growth, the our population, suffers most grievously. Other interests, claiming the protection of government, suffer equally. Should the pictures of distress and depression, drawn by Mr. Carter and Mr. Garnet, to pass over all the others, be but half or quarter true, the case demands the parental care They lately killed a horse for me-but I was abof the rulers of the people. He is an unworthy shepherd, deserving to be dismissed from his trust, who beholds with indifference the sufferings of his flock, when he can apply a remedy.

On a due consideration of the premises, we most respectfully request that you will appoint a committee of your honourable bodies, to institute

other taxes of various kinds, the remainder by an inquiry into the situation of the state whose 3150,000,000 dollars—and raises annually the enormous sum of 230,000,000 dollars, being far beyond the state of things herein described be found to head of Cauliflower, and another of Cape Brocoli, double our national debt, which her subjects pay be correct, that they will thoroughly investigate the causes, and ascertain whether any remedy open air, without aid of glass. Each measured 2 can be devised; if so, what that remedy is, and feet 6 inches in circumference. These vegetables

> This procedure is recommended, in the first instance, in preference to an immediate application to Congress, for two reasons. First, during all the intense suffering that this country has experienced since the close of the war, particularly in 1817, 1818, 1819, when the distress was almost universal, no class or description of citizens having wholly escaped, Congress has instituted no for taking a survey of the Great Canal, and mainquiry on the subject—and secondly, because it king a voyage on Lake Erie, was an interesting spot, even by congressional authority, all the necessary information respecting the state of a coun-pondent, T. H. Mitchell, Esquire, and consists of

Philadelphia, October 16th, 1824.

Horticulture and Botany.

Receipt and distribution of SEED, GRAIN, &c.

lar notice of Seed, Grain, &c. &c. received for distrihution and trial. We will endeavour hereafter in any degree conducive to science, economy, or to be more regular and systematic in this particu-ornament. Yours, &c. lar. By-the-by, we have every week occasion to regret the want of some well conducted botanical and horticultural establishment near the city, where the offerings which are made to us, might be disposed of and cultivated in a manner

most advantageous to the publick.

From Midshipman Theodorick Bland, who lately returned from a three years' cruise in the Pa- placing at my disposal five kinds of seed, which cific, under Commodore STUART, we have received a variety of Seeds, with some curious contributions to our Academy of Sciences, for which the gardens of nature. not so well acquainted—but we can confidently assert, without fear of contradiction, that she is also making rapid advances in prosperity—that the happy influence of the good example of our root is so highly medicinal, as to be used in the commanding officers, who have, of late years, given, in a most laudable manner, every possible ed. There is no doubt in my mind that it will attention to the interests of American horticul-succeed in the vicinity of this city, and be a great ture and agriculture. With the following note from General Calvin Jones, we received half procured specimens from a farm in Venango counan onnce of the "Jackson Pea." They are of singular, curious, and beautiful shape and colour Franklin and Warren, some miles to the east—not so round, so hard, or so large as those which the Canaral agreed and the following note than New York, and from its algorithm of the Canaral agreed agreet in the Ventury of this city, and be a great our agreed agreet in the Ventury of this city, and be a great our agreed agreet. the General sowed on the field of New-Orleans, than New-York, and from its elevation is consideand which yielded such a bountiful crop of natrably colder. tional joy and glory.]-Ed. Am. Farmer.

Wake Forest, Oct. 24, 1824.

I send you another small parcel of the Jackson tion. Pea. I raised three stalks only—they were large, and appearances indicated that they would be excellent to clothe exhausted land with for the purdonations.

A vote of thanks was unanimously voted to Dr. Mitchell for these valuable and highly acceptable donations. pose of its renovation.

If you failed to receive from Mr. M'Leod the Whitfield, or Black Pea, mentioned by him in a the farm of Dr. Thomas Johnson, of Baltimore communication to the American Farmer, I will county, has been left with the Editor of the Far-They are, as I have for two years experienced, a most important acquisition to a farmer; enduring tions, at the next Maryland Cattle Show. without injury, any degrees of wet and cold; affording an abundance of food for man and beast; requiring little culture, and improving the soil .sent, and the death of the animal is rather to be charged to want of skill on the subject, in my overseer.-Half a pint of ley, a table spoonful of would have saved him.

I am, very respectfully, your obedient. CALVIN JONES.

Horticultural Society .- At a meeting of the N. York Horticultural Society, on Tuesday evening sown 15th of June, transplanted middle of July, in were raised at Hellgate, in the garden of Joseph Foulk, Esq.

The Corresponding Secretary laid before the Society the following interesting communications

from Dr. Mitchell:-

New-York, Oct. 6, 1824.

N. H. CARTER, Esq. - Among the articles heaped upon my table, during the absence necessary would be wholly impracticable to collect in one parcel containing vegetable seeds from Caraccas. The communication is from my intelligent corresmore than three-score species. I lose no time in offering the collection, through you, to the Horticultural Society; that the members may have an opportunity of knowing the productions of the southern regions of America now, on the establishment of free and independent governments, open to our research; and trying whether the cul-[For want of leisure we have omitted our regu-ture of the plants that grow sportaneously in r notice of Seed, Grain, &c., &c., received for dis-Venezuela, in the latitude of New-York, will be

SAMUEL L. MITCHELL. New-York, Oct. 8, 1824.

"Mr. Benjamin Harding, formerly of Connecticut, now of Illinois, discoursed to me this morning at great length on the vegetable beauty of the western Prairies, or woodless plains; and he concluded the verbal part of his communication, by he had gathered from such plants as most strongly attracted his attention, as he travelled through

One of the parcels I observe to be the elegant

Be obliging enough to offer these productions of the west to our horticultural brethren, for cultivation; and to accept again my friendly saluta-SAMUEL L. MITCHELL."

A vote of thanks was unanimously voted to Dr.

A LARGE POTATO, weighing 2½ lbs. from same will be exhibited, with other rare produc-~ 0 _

Baltimore, Nov. 13th, 1824.

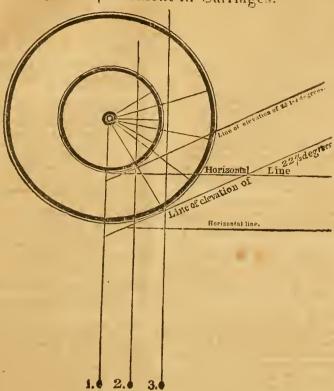
Dear Sir,—The plant sent for my inspection, is the Elymus Virginicus—3dria, 2sunia—(Lime grass -wild rye.)

I deeply regret the present impossibility of continuing the Botanical Sketch-but entertain hopes laudanum, and 100 drops of oil of peppermint, of soon being able to resume that interesting and consolatory task.

With great respect and esteem, yours, L. H. GIRARDIN.

Novel Inventions.

An Improvement in Carriages.



TO THE EDITOR OF THE AMERICAN FARMER.

Auburn, Fauq. Co. Va. July 17, 1824. Sir,-Being under the impression that an improvement in Carriages, will be regarded with some degree of interest by many of your patrons, I am influenced to take the liberty of giving you my views on a subject in relation to them; and should I be so fortunate as to detect an erroneous impression, which perhaps may exist, I shall esteem myself amply compensated in the reflection, that I have been an instrument in contributing a spark to that flame of science in our country, which still continues to brighten from its repeated accessions.

The above plan shows the best method of making wheels for agricultural purposes. The large circle represents a wheel of six feet diameter, the small one of three feet. The plumb line, fig. 1, represents the centre of the axle. Fig. 2, the line of pressure of the small wheel. Fig. 3, represents the line of pressure of the large wheel when ascending an elevation of 22½ degrees. It is a point well understood, that all large wheels when drawn horizontally, will carry a greater burden with less power than a smaller; when ascending an elevation, you will find them the reverse. The line of pressure of the large wheel when ascending an elevation of 22½ degrees, is double as far in front of the axle, and of course the inclination to descend is double as great, besides the weight of the large wheel which hangs back from the plumb line, fig. 3.

It is also known, that a good horse can lahour all day with a draught of 200 lbs., and four horses this weight is put on large wheels, it will descend and strength will be added to the wheel, with double the force of one of half the size.— In addition to the above, I take this opp

hinder wheel should be the same size as the one before. Many advantages would arise from this regulation. They will not cost so much in the first instance. 2dly. There will be much less danger in upsetting. 3dly. More convenient in loading-and lastly, much stronger. The calculation should be made from the horses shoulders, and so contrived that the chains may draw in a right angle from the shoulders of the animal; and to effect this plan, the double and single trees stay-chain fastened at the bottom of the axle-

the method:-No shoulder should be left to this appeal to the liberality of the publick. axle; the slope should be continued from the little end at least five inches further than the shoul der, or from the nut or hub: the top and bottom maintain and clothe them decently, but also to skeen should be as long as the taper of the axle bolt should pass through the axle and the large such religious denominations, as may be pointed end of the skeens—the shoulder for the large box out by their parents, or if they are orphans, by to press against, is a band of iron 3 of an inch those who place them under his care. The adthick and upwards of two inches wide, which vantages which will attend this plan are numeshould be well put on to secure the two skeens rous; the children taken from the different States and to give a permanent shoulder for the box to will be themselves able, on their return to their press against, and which secures the axle from respective homes, to superintend similar manubeing broken; and as the axle will diminish in factures; and at the same time that they are to a good wagon will carry about 4000 lbs. When size, so in that ratio will the friction be lessened complete masters of their trade, they will, in con-

in hopes that the following explanation will ge nerally he understood: The face of this mould board was made by a machine, which shews all the properties to raise and turn the sod from its natural bed with the least possible resistance. This plough is generally used without a sword or a lock coulter, but answers well with either-the front of the mould board is keen and made so hard that the earth makes but little impression on it-the land side as far as it sinks in the earth is perpendicular, and immediately above this a moderate inclination is made towards the nearest part of the earth; then again a considerable curve is opposite to this and towards the land side, the object of which is to place the beam from over the body of the plough, so far on the land side as to permit all vegetable matter to pass off; and to fasten the hinder end of the beam to the outside of the handle. As a further inducement to practical and observing agriculturists, the mould board adjusts itself to their convenience by turning a contractor and expander. I am in the habit of using double and single trees, differing, in many respects, from the old method. The double tree is longer than usual: near each end there are several holes, the object of which is to screw the single trees on the top of the double tree; -by this means provision is made for the difference in the strength of horses, and for expanding and contracting the single trees to suit the convenience of the farmer, or to give or take land from the plough; and they also prevent the tangling of geer, and save at least 50 per cent. expense.

Should your Agricultural Society permit me to become a candidate at your next exhibition for the best plongh, I will endeavour to prove, that Virginia has not yet been lulled by the seducing charms of indolence; nor is she deterred from entering the lists, although in opposition to the perseverance and ingenuity of the Northern States.

Very respectfully, &c. STEPHEN M'CORMICK.

Domestic Economy.

FOR THE AMERICAN FARMER. A BENEVOLENT PROJECT,

Worthy of publick support.

HENRY BERNHARD, a native of Germany, who should be fixed under the wagon tongue, and the has been a worthy resident in this country, as a manufacturer, about thirty years, has now estathe power and the weight would then be in a di-blished in Baltimore a Manufactory of Silk Buttons, which has been for some time in successful I will now proceed to make a few remarks re- operation. His object at present is, to increase specting the axle: I would advise that the largest the number of hands that he has employed, by part be four inches in diameter, and the end two the addition of twenty children of both sexes, and a quarter. The manner in which this axle is from the age of eight years upward: but as his ironed, gives as much strength as one of five in-ches ironed in the usual way. The following is pense of their maintenance, he has concluded to

It is his intention, should be succeed in this appeal, not only to teach the children his trade, and have them instructed in reading and writing .on the top part, and of good substance: a screw They will be required to attend the churches of sequence of the manner in which he professes to with double the force of one of half the size.—
However, our first consideration is, to enquire to remark, that I have made an excellent improvement in my plough, which has been so succeptable for a wagon? My opinion is from 3½ to 4 feet in diameter. The cessfully used in this section of the country. I am useful citizens.

the children will be so far advanced in their ap- work-and that the average number of miles exprenticeship, that their labour will be at least an equivalent for their maintenance and education. The girls will be required to serve until they are done of the Chesapeake and Delaware Canal. sixteen, and the boys until they are twenty-one years of age. He has now four children employ ed in his manufactory, and he is ready to show as became it and them-in a style of magnificence ed. The Times says, "Ferrol cannot at present specimens of the rapid progress which they have made in learning the trade.

Henry Bernhard engages, that the buttons manufactured in his establishment, shall not only be tions they have made for its accomplishment. much cheaper, but better made than any that are now imported. It is his intention to take them to the Agricultural Exhibition, where they will exhibit their skill in the presence of the "Nation's Guest," with specimens of their manufacture.

Those who are disposed to encourage his undertaking, will subscribe any sum towards it which they may find convenient, and they will have the privilege at the end of a year, of claiming the amount of their subscriptions in the product of the children.

Mr. Bernhard requests the publick to bear in mind, that the object of his establishment, is not local, and that orphans, and the children of the poor and destitute, from any part of the Union, who may be enabled, with the assistance of the charitable, to reach his establishment, will be received and treated by him with equal care and attention

Amougst others, who have already approved and patronized his undertaking, are:

DANIEL D. TOMPKINS. Vice President of the U.S. WM. H. CRAWFORD, Secretary of the Treasurer J. Q. ADAMS,

Secretary of State.
Gen. ANDREW JACKSON, The Hon. HENRY CLAY, ISAAC M'KIM, PETER LITTLE, Esq'rs.

Our Representatives in Congress. SAML. STEVENS, Jr.

Governor of the State of Md. & J. MONTGOMERY, Esq. Mayor of the City of Baltimore.

FWe sincerely hope he will meet with attensign.]-Ed. Am. Farmer.

Internal Improvements.

CHESAPEAKE AND DELAWARE CANAL.

lately visited this work, we are able to afford our readers some intelligence which will not be unin mals that drew the Chief Magistrate of Dublin one which cannot fail, we should think, to draw, teresting He took occasion to interrogate the through the crowd, and the toasts which were at an early period of next session, the most sericontractors and worknien, many of whom he found to be men of considerable skill and sagacity. Several of the contracts for the summit are completed, and it probably presents the most beautiful specimen of excavation and embank ment to be found in this country. The Tide-lock at the Delaware is a noble piece of masonry; great difficulties were encountered in obtaining a secure foundation, but they were finally overcome; and there is no longer any doubt of its firmness has invented a fire-engine, of a particular con and stability. The North drain to guard the ca nal against floods and superfluous water, is finish ed for some distance, and presents in itself the torrents upon the flames, covers them with such appearance of a perfect canal from its size and style of execution. The excavation and embank- deluged. ment during the last six months have amounted to the enormous quantity of 790,000 cobic yards. Russian fleet with 25,000 men, for the purpose of It will be found by examining the reports on the taking possession of the Balearic Isles, is contra New-York Canal, and taking an average there- dicted by the Paris Etoile. These Islands have life against the tenants, he would now at the ex-

ecuted annually in that State does not exceed 50 vicinity for a considerable time. being one-third less than that which has been

proportioned to the benefit which it will afford to

=0= APPOMATTOX RIVER.

We understand that Mr. Alb. Stein, Engineer, who has been for some time engaged in examining the Appointation River below the town, has made reductions in the national expenditures. A great a report to the Common Hall altogether favoura part of the militia have been disbanded; a numble, which has been accepted by that body. The ber of the regular officers placed on hait pay, and Report, we are informed, furnishes a complete the privates who are mechanics have received survey, and enters into very minute calculations permission to return home to their work. of the attending expense—estimating at gross the cost of the contemplated improvements at 28,500 Cogliani (Italy) from Algiers. The Dey had dedollars; for which sum all obstructions to the manded of his government 300,000 dollars.

The king of Spain has issued a decree subjectapproach of the largest coasting vessels to our wharves can be entirely removed. We further learn, that the Common Hall have appointed a to the payment of duties upon goods of every Committee to draw up a petition to the Legisla kind which they may introduce into the country, ture for an act of incorporation; and likewise to even for their private consumption. They are, means for raising the funds which may be wanted ish subjects when they exercise any branch of inover and above the Subscription of the State.

Scraps from Foreign Papers.

France .- Mr. Hurtado, the Colombian agent, is said to have been received in Paris in a manner highly flattering to the independent cause in South America. He has returned to London.

Mr. Blaquiere, the Greek Agent, was on his way to England, with twenty one Greeks, the sons of the chief men of the country, to be educated in England.

The British army in the East Indies had trinmphed over the Burmese Monarch.

Mr. Maturin, the celebrated Irish author, was dangerously ill at the latter end of September.

during the last six months of his life.

The new Mayor of Dublin was sworn into of-fice on the 30th September. "In the civic procession which took place in the morning, London paper, "the trappings of the Lord Mayor (Drury Jones) displayed none of those Orange Through the enquiries of a gentleman who has insignia, which, until of late years, scarce ever failed to decorate or disfigure the unconscious anigiven from the chair after dinner, evinced a de sire to pay equal respect and attention to all par ties, without giving offence to any." It was the Lord Mayor's wish to avoid all manifestations of party spirit on the occasion.

An inhabitant of Surat, in the East Indies, has

propelling boats.

struction, which promises to be very effective The water is sent up in a mass, and, falling in Much of this being near the metroplis, must be a volume, that the burning mass is in a manner

The account of the arrival at Majorca, of a

It is supposed, that within the space of a year, from, that this is equal to about 33 miles of that not been ceded to Russia, nor has more than one vessel under the Russian flag been seen in their

> A report that an expedition was fitting out at Ferrol, (a Spanish port, ten miles distant from So flat ering a statement cannot fail to gratify Corunna,) destined first for Havanna and after-our citizens. They have undertaken this work, wards for Mexico, is also declared to be unfoundboast of the possession of any vessel of war-that Philadelphia, and they must rejoice that it has ad the whole province of Gallicia (we might say the vanced in a manner not unworthy of the exer-whole kingdom of Spain) cannot furnish the troops necessary for such an expedition—and that there is not to be found in the Treasury at Madrid a single marvedi towards their pay and equipments.

The Prussian Government, taking advantage of the present state of Europe, has made large

ing the Consuls of foreign nations in that kingdom devise and report the most ready and certain likewise, subjected to all the charges of the Spandustry or commerce whatever.

A company of French silk manufacturers are about to establish themselves in Manchester. This is one good effect of the repeal of the silk

dutv.

A line of regular packets is established in Liverpool to run between that port and Kingston, Jamaica. They will sail on the 1st and 16th of each month.

It is stated that during the next session of Parliament, Mr. Cauning will introduce a bill rendering it compulsory that any servant of the Crown in Ireland, shall swear that he does not belong to any political Society.

Lord Charles Murray died at Gastorini in

Greece, on the 11th August.

Liverpool, Oct. 8 - There has been a fair inqui-Dr James Kennedy, of the British army, is ry for Montreal Pot Ashes, and the sales amount tion and encouragement, commensurate with the preparing to publish an account of the conversation 380 bbls. at 33 a 34s, but chiefly at the former benevolent and usefulness of his philanthropic de- tion and correspondence held with Lord Byron prices; 90 Pearl brought 37s 6d and a few 38s: 100 bbls. old States' Pot 38s 3d, and 20 fresh 38s

British Stocks. Oct. 8 - Consols, 95 3-4 American Stocks on 5th of Oct -Bank Shares £25. Nothing done in other Stocks.

The returns to the House of Commons of the quantity of land belonging to the Church of Ireland, is a document of fearful importance, and ous notice of Parliament.

The Primate, Lord J. Beresford, Archbishop of Armagh, has above 65,000 acres, of which more than 50,000 are arable. His grace is a man in middle life, and of a healthy constitution. Suppose him to run his life against the leases let by made use of the tread-mill for the purpose of his predecessor, he would have the power of ruining perhaps a hundred families, and obtaining An Italian nobleman, the Marquess d'Ovigo, for himself a rack tent of not less than £.70,000

or £ 80,000 per anoum.
The See of Dublin has upwards of 20,000 acres.

considered as of extraordinary value.

But every thing is eclipsed by Derry: there we have 94,000 lrish acres appropriated to my Lord the Bishop-little short of 150,000 English acres! and should his lordship, at the beginning of his incumbency, have thought fit to run his

roll than any subject in the world. Yet it was this season than tast; allowing, therefore, for the La Fayette.) The first heat was won without this very See which begged assistance towards quantity cut short by the drought and other cau muc difficulty by Flirtilla; the two last with repairing its own cathedral! but which by the horror into which it threw Mr. Dawson on the

STUDYING-AN ANECDOTE.

It is not always that Papa and Son Take the same view of business to be done: Thus Tom, being destined for a fag at law, His Father fixed long deeds to learn to draw; And in the Temple, writing much and reading, The lad, he thought, would fit for special pleading.

But Tom had notions of another sort, And of all Inns, liked least an Inn of Court; In coaching was a whip of desperate skill, And loved Team driving better far than Quill. He scattered Dad's allowance o'er the land, And had more seldom Cash than Four-in-hand.

It happened thus one day, that, elbowing down, He met Old Squaretoes jogging up to town :-"Ho! what the devil are you doing there?" The latter bellowed to his hopeful heir: "Studying (from the coach-box, replied the Sage) "Conveyancing by the fast Reading Stage!"
TEUTHA.

Domestic Intelligence.

Mobile, Oct. 12, 1824. A sample of choice new Cotton has been sent Total from Mobile Bay, 44,924 to us from Chickasaha, which will be shortly brought to market, and if the premium offered year ending Sept. 30, 49,061 612,100 437,139 for the best lot of Cotton should be extended so 1823 as to embrace that section of Mississippi, this parcel will be offered for the premium. A letter parcel will be offered for the premium. A letter accompanied the sample, in which the writer have been about a dozen cargoes of Red Cedar that they were not far out in their calculations; complains of the distinction made in the offer of shipped from this port, during the last year. a premium, and thinks, that portion of Mississippi, which always sends her Cotton to Mobile, should have been included. We think there is much reason in this. A spirit of emulation now exists among the Planters who send their Cotton to this market, which should be encouraged.

[Com. Regis.

Charleston, Oct. 16.

country, states, that he passed through Greenville, Union, Chester, Lancaster, and Fairfield
Districts, and that the crops of both Cotton and Corn on the low lands in these Districts, were injured to the full extent that previous accounts opportunity of observation concurred in opinion Surely a better and more profitable arrangement there would be made about two-thirds of the might be made. VIATOR. quantity originally estimated, and that the quality of the Cotton already picked out was very inferior. Our informant also states, that the Corn crop of North-Carolina as far as his observation extended, was injured full as much as that of this State.

Crops.-The drought that has been felt in this section of the country, appears to have extended to some of our sister states. In Georgia, we are important crop will not, in quantity, equal the early expectations of the planter. With us, early corn crops have been greatly injured; and the Betsey Richards by Mr. J ha on, and Aratus by quantity made, though abundantly sufficient for M. Harrison. Won by the first with case. our own consumption, yet falling short of what

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ses, it is probable the balance between the pro- ease by Jeanette. duce of the two years, will still be in favour of occasion, has produced, we suspect, this salutary exposure of an evil which must be removed.

exposure of an evil which must be removed.

exposure of an evil which must be removed. life to the cotton stalk, and prevent the bolls that won with case by the latter. are beginning to form, from arriving at maturity A Match Race for \$500-r ere frost. Besides, the opened cotton that gets wet, and is so shaded as to prevent the sun's drying it, will inevitably sprout and rot. The wheat Won with ease by the latter. crops throughout the middle states, are said to

Commerce of Mobile .- Exports of Cotton, Sawed Lumber, and Staves, from the port of Mobile, during the year ending 30th Sept. 1824.

Foreign—Liverpool, 8778 bales Cotton; Glasgow, 352; Greenock, 463; France, 717. Total 10,310.

Coastwise-Boston, 967 bales; N. York, 14,999; Philadelphia, 352; New-Orleans, 13,094; other ports, 460. Total, 29,872.

RECAPITULATION.

	Bales Cotton.		Staves.
Foreign,	10,310	790,802	264,250
Coastwise,	29,872	127,000	342,304
	449		
	40,182	917,802	606,554
From Blakeley	4,742		

Decrease of Cotton in 1824, 4,137 bales.

Editorial Correspondence.

ANOTHER COMMUNICATION

TO THE EDITOR OF THE AMERICAN FARMER. Sir,-The mills in the Middle States send Kiln dried Meal to the West Indies—why do they not do so to the Southern States? The corn brought The Crops.-A gentleman recently from the to Charleston is proverbially bad, and almost unwill not be worth more than 38 to 45 cents. In Ohio it is said not to be worth more than 8 cents. mentioned; that of the Cotton, all who had the In Columbia, (S. C.) it is selling for a dollar .-

South-Carolina, 7th Nov. 1824.

Rural Sports.

JOCKEY CLUB RACES AT TREE-HILL.

account of the races :-

First Day-Two mile heats. informed many counties will not raise corn suffi- filly of Mr. Selden's, by Sir Hal; and a colt or of a roasted fowl, with roasted onion, both as cient to supply the wants of the people. The Mr Johnson's, by Sir Areay. Won by Mr. John- warm as can be born for a roasted flowl, which reasted only is, by Sir Areay. Won by Mr. John- warm as can be born give as much spirits cotton, too, has proportionally suffered—and this son, in fine style, Mr. Selden's respectively. son, in fine style. Mr. Selden's : Second Day-Three mile heats.

Proprietor's Purse, for \$300-two entered-

Third Day-Four mile heats.

piration of twenty years, possess a larger rent-jobtain, we believe much more cotton was planted tilla; and Mr. Johnson's Jeanette, (now Virginia

Fourth Day.

A Match Race for \$500-mile heats-between a horse of Mr. Carter's, and a filly of Mr. Hare.

A Match Race for \$500-two mile heats-bctween a horse of Mr. Arcoy M Harrison's, b, Sir Altred, and a horse of Mr Sampson's, by Shylock.

Fifth Day.

have been uncommonly good.

[Alabama State Gazette.] Handy-Cap Furse for 6200—630 filly, and Aratus

[Alabama State Gazette.] Betsey Richards; Mr. Selden's filly, and Aratus started-10 pounds taken from Aratus; the filly carrying a fly. Won with ease at two heats by Aratus.

On no previous day of the Races, did there appear a greater display of interest than on the last. Betsey Richards, owned by Mr. Johnson, was almost the universal favorite previous to the first heat being run. This was sufficiently evidenced by the difficulty of obtaining bets. Three to one on Betsey Richards was early offered and taken up. In one instance, I understand a bet of seven hundred dollars to two was made. Indeed, it became difficult to obtain bets on any terms.

Never, however, did people appear more disappointed than at the result of the first heat .-Aratus came out several lengths ahead, apparently under a bearing rein. The knowing ones begun to hang their heads; and many of the most sanguine friends of Betsey Richards declined bets at the odds of two to one against her. A number, however, were taken at three to one-and lost!

It was remarked by the friends of Betsey Richards that she was out of trim, and apprehensions for her success were early expressed on that ground. The second heat clearly demonstrated Aratus beat her with the utmost ease. Mr. Selden's beautiful filly, made a very fine run. It was thought by many that she would beat Betsey Richards the second heat—But in this they were disappointed. Betsey Richards proved second best.

A trotting match recently took place in England, two horses to trot sixty miles for a bet of 200 sovereigns. The winning horse performed the distance in five hours, forty eight minutes and twenty-two seconds. The other horse was five

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RECIPES.

Bite of a Spider - A Correspondent informs us that he was lately hitten on the neck, by a common sized spider, while lying in his hed. The bite not being very severe, he did not apprehend any danger from it; but directly the bitten part began to inflame, and soon his whole system was affected by pains. He then became sensible that a remedy must immediately be applied; and the A friend has politely handed us the following course he pursued, and which he recommends others to adopt, as effectual, in similar cases, is as follows: -first, apply a drawing poultice to the Sweep-Stakes-\$100 entrance; for three year poisoned part; after the poultice has been on a old Colts-3 entered-Mr. Harrison's Burstall; a short time, take it off and bind in its place part second best, as the patient can bear, for the space of twelve hours. It the stomach of the patient is much inflamed, give a dose of salts .- West Carolinian.

Locked Jaw .- Several years ago, during a conwas expected, will enhance the price to movers. Jockey Club Purse for \$1000-3 entered-Mr. versation in Newlort, upon that dreadful malady and settlers. From the best information we can Hillery's horse Marion; Mr. Wynn's mare Flir- the Locked Jaw, an intelligent master of a ves-

Jaw, and never last a patient. On inquiry of ry deep, harrowed well, and then laid off in drills him as to the particular mode of treatment in -the method which he prefers. The drills were which he had been so successful, the physician four feet asunder, and closed upon the potatoes by replied, that he directed an application of warm running a furrow on each side of the drill with a foot or hand was wounded, the same was dipped repeatedly into the lye; and if a part of the body, which could not be immersed in it, then in that approves of throwing the dirt up in high ridges case the part affected is to be bathed with flannels wrung out of warm lye. In July last, Capt. Chas. Gordon, of Newport, unfortunately jumped upon excruciating torture—the attending physician crop, he plants about the 12th of July, could afford him no relief. Providentially a lady,

A CORRESPON who heard the above conversation, recommended the warm lye bath, into which his foot was placed-within 15 minutes the anguish was taken out: he went to bed and slept quietly. The application of lye was made for 10 succeeding days; no pain, no uneasy sensation returned, but what is incident to a common sore, and on the 11th day, Capt. Gordon walked abroad .- N. Mercury.

•0**•** FROM THE PROVIDENCE PATRIOT.

Large and round Turnip .- Mr. Wm. Whitaker, of Attlebornugh, Mass. has this year raised and exhibited at this office, a round Turnip weighing eighteen pounds and measuring forty-two inches in circumference; and what is worthy of notice, it was only eighty days from the time the gathered. "Beat this if you can."

FROM THE HARRISBURG CHRONICLE.

ing 1494 pounds, and measuring six feet three in-enjoyed no peace excepting in the winter season. ches in circumference, was raised this season by when, owing to the severity of the weather, the shaw, Esq. situated about one mile south of this to the settlements. The onset of winter was, call on W. F. Redding, Esq. at the Post Office. borough.

"BEAT THIS AND TAKE THE CORN."

Near Hewel's Ferry, South-Carolina, on Broad river, on the York side, stands a Sycamore Tree, diameter-has held within that space seven men finement. All was bustle and hilarity in prepaand afforded protection to many families, during the lowering days of the American Revolution.

[Yorkville Pioneer.]

SOLANUM TUBEROSUM, OR POTATO.

This highly valuable vegetable has been raised in peculiar perfection in the neighborhood of Hay- for a considerable number of days. This was the market, Prince William County, Virginia, and as Indian Summer, because it afforded the Indians a knowledge of the mode of cultivation, and the another opportunity of visiting the settlements quality and preparation of the soil, which produced the largest I ever saw, may be of public utili- the snow saddened every countenance, the warmth ty, I am induced to trouble you with this commu- of the sun chilled every heart with horror. The nication.

Mr. Nathan Haislip, two white and three pur in the highest degree, and this distressing appre-

St. Eustatia, he heard an eminent physician re-his stock on it with long food during each winter, mark, that he had had many cases of the Locked The soil is very stiff and loamy, was broke up velye made of ashes, as strong as possible; if the common shovel plough. One more ploughing, when the tops are several inches high, and a hoeing, complete the process of cultivation. He disabout the potatoes, and thinks a slight elevation much better, on account of the former plan requiring a greater quantity of rain to penetrate to a scraggy pointed spike which perforated his the roots, as the ridges, instead of absorbing, are boot and foot, and he was taken home in the most calculated to throw it off laterally. For the fall

A CORRESPONDENT.

November 6, 1824.

Miscellaneous Items.

THE INDIAN SUMMER.

From Doddridge's "Notes on the Settlement and Indian Wars of the West.'

Summer.

This expression, like many others, has continued in general use, notwithstanding its original import has deen forgotten. A backwoodsman seldom hears this expression, without feeling a chill of horror, because it brings back to his mind the painful recollection of its original application.seed was put into the earth, before the turnip was Such is the force of the faculty of association in human nature.

The reader must here he reminded, that, during the long continued Indian wars sustained by Large Pumpkins .- A sweet pumpkin, weight the first settlers of the Western Country, they therefore, hailed as a jubilee by the early inhabitants of the country, who, through the spring and the early part of the fall, had been hemmed up in their little uncomfortable forts, and subjected to all the distresses of the Indian war.

At the approach of winter, therefore, the farmwhich, for this great size and capacity, surpasses ers, excepting the owner of the fort, removed to perhaps any one in the United States. It is 72 their farms, with the joyful feelings of a tenant feet in circumference—with 16 feet of a hollow in of a prison, on recovering his release from conon horseback. Tradition reports it gave shelter ring for winter, by gathering in the corn, digging potatoes, fattening hogs, and repairing the cabins. To our forefathers, the gloomy months of winter were more pleasant than the zepliyrs of spring and the flowers of May.

It however sometimes happened that after the apparent onset of winter, the weather became warm; the smoky time commenced, and lasted with their destructive warfare. The melting of fear of another visit from the Indians, and of be-The other day I procured five from a neighbor, ing driven back to the detested fort, was painful

sel observed, that when he was at the Island of years ago, and was improved simply by teeding experience taught us that in this conjecture we were not often mistaken.

> The Devonshire Breed of Cattle -Whoever went about the South Green on the day of the Show and Fair of the Hartford County Agricultural Society, must have observed the beauty, size, and colour of the cattle exhibited. The best of them were of the Devonshire breed. They not only obtained all the premiums, but drew the most attention from the by-standers. There were many other fine specimens of cattle, but we have been told that Farmers, almost universally preferred this breed .- Ed. Con. Mirror.

> Fine Sport.—The schooner Trio, of Portsmouth, left that place a few days since, after mackerel, and returned to port in about twenty-four hours, with sixty barrels, which were taken in nine hours by seven hands.

> Upon a moderate calculation, upwards of seven hundred thousand pounds of alum are used annually by the London bakers,

Cider.—The destruction of fruit, by the severe As connected with the history of the Indian frost in May, was not so general as was at first Wars of the Western Country, it may not be apprehended. In many towns in this County, apamiss to give an explanation of the term "Indian ples are abundant, and cider is sold at a comparaples are abundant, and cider is sold at a compara-tively low rate. In other towns, although there is a less product than usual, there will still be no inconsiderable quantity of cider. In this, and in some other towns, very little will be made. It may be bought, however, within twenty miles for one dollar a barrel .- Il orcester Yeoman.

THE FARMER.

BALTIMORE, FRIDAY, NOVEMBER 19, 1824.

Ir In the absence of the Editor, now and at Mr. Mitchael Mahon, on the farm of W. Grim- Indians were unable to make their excursions in- tive to the Cattle Show or otherwise, will please all times, persons having business with him rela-

> F Amongst other fine Animals for exhibition and sale, at the Maryland Cattle Show, we understand the celebrated imported Improved Short Horn Bull will be there, and one of the finest Jacks ever imported.

> P Very little change has occurred in the prices of Country Produce since our last report.— Corn, 35 to 37½ cents—Rye, 37½ to 40 cts.—Law-ler and Red Wheat, 90 to 93—best White Wheat for family flour, to \$1 to \$1.06-Other articles same as last week.

TOBACCO-No sales the last week.

Agricultural Books.

For sale at No 72, Market street, next to the corner of Holliday-street, East, 200 volumes of the latest and most approved English authors upon AGRICULTURE. They will be sold at the London publication prices.

THOMAS & CO.

CONTENTS OF THIS NUMBER.

Mr. Nathan Haislip, two white and three purple lrish potatoes. One of the white sort weighs 32 ounces; a purple one the same weight, and other 33 ounces. The aggregate weight of the five is 83 ounces. The aggregate weight of the five is 83 ounces. He has made a large quantity nearly of the same size, and the inferior sizes are comparatively fine throughout the whole crop. Mr. Haislip, who is a superior farmer and planter, asys the ground was an old field three or four their spring campaigns into the settlements. Sad Reports of the Massachusetts Agricultural Society, No. 1

AGRICULTURE.

MASSACHUSETTS AGRICULTURAL SOCIETY.

REPORT No. III.

Swine, and imported Sheep," consisting of Messs, was an interesting addition to the Cattle Show.

John Welles, Timothy Walker, of Charlestow,
and Abner Wheeler, of Framingham, REPORT

Only one flock of Merino Sheep were present

in the opinion of the Committee, the country of exhibit. Something more seems due to the libmust recollect, that upon heir zeal and co-opera tion in a display of line animals, the utility, et State, whose liberality and encouragement generously imparted.

From the number of Milch Cows presented your committee award the several premiums, follows :--

To Luke Fisk, Esq. of Waltham, for a fine Na tive Cow, 8 years old,

Satisfactory evidence was offered that from the claimant Cow was made twelve pounds of butter per week

To Jacob W. Watson, of Princeton, for his

Satisfactory evidence was given of her having not deserve them. given over 18 quarts a day, her Calf, from Den ton, at her side, in fine flesh and of good pro-

One half of the third premium to the Revd. Samuel Ripley, of Waltham, for his Cow, of native stock, 57 50

In the winter season, this Cow afforded an average of nearly seven pounds of butter per week It was to be regretted, that in a more favorable season, and when her milk was of much greater quantity, from its use in the family, no examination was made.

To Isaac Bemis, of Watertown, for his Native Cow, the other half of the third pre-\$7 50

This animal was of good appearance, and her excellency as a Milch Cow was well supported.

MILCH HEIFERS.

To Mark Vose, of Watertown, for his Heifer, one quarter Cælebs, the first premium,

her form very good.

To J. A. Cunningham, of Dorchester, for his Heifer, the second premium,

half blood from Cœlebs. This was a fine animal, views.

For Heifers not having had a calf:-

To Benj. Harrington, of Princeton, for his Heifor, 18 months old, from Holderness, weigh ing 1096 lbs. the first premium,

To David Wait, of Charlestown, for a half blood herfer, from Calebs, the second premium, \$10 will not be appealed to in vain. To Jacob W. Watson, of Princeton, for his hei-fer of native stock, 18 months old, the third premium,

VOL. 6, -36,

To John Ellis, of Brighton, for his heiter, one year old, the dam of native breed, the sire, Holderness, the fourth premium,

Your committee were particularly gratified with the stock presented for exhibition only. That The second do, to the Bellingham Cotton and sent to the Society by the liberality of Sir Isaac Coffin, as well as that shewn by Mr. Heard, Mr. The Committee "On Cows, Heifers, Shee, Parsons, Major Jaquith, Mr. Pierce and others

Only one flock of Merino Sheen were present That the Cows presented for premium, thouh ed for exhibition, and your committee have to la several of them fine animals, were not yet in sun ment, that this species of animal, which has sur number, nor some of them of such properties, mounted prejudice, and is so useful, important, and indispensable to our manufactures, should be so feebly and insufficiently represented, notwithral encouragement offered by the Society, as we standing the expense and public spirit with which as to that unquestionable state of improvement it has been introduced. There can be no doubt which has taken place in our Cattle. Our farmet that the extention of this race will follow, to which our climate appears well suited. But much of their improvement will depend on such com fect, and character of Agricultural Association parisons and general knowledge as is derived from For double milled Kersey—the 2d premium to must, in a great degree, depend. Their spin an annual exhibition, and an assemblage of tarmust therefore be relied on, in prospective, that mers who take in interest in this stock. It would For Satinets—the first premium to Seth Bemis when their aid is needed, they we I not hold back indeed be a source of regret if the liberal pre and Co. of Watertown, from fear of disappointment, or any other mo miums offered by the Agricultural Society of The second to Trueman Clark & Co. of Waltive, from what is due to their own reputation Massachusetts, with the best motives, should fail that of their friends and associates, or to the produce stronger evidences of the multiplication and improvement of this race.

> The committee award the first premium to Jo seph Barrett, Esq. of Concord,

Major Barrett produced a Saxon imported Ewe will his flock, and the latter did not suffer by comparison.

For the second premium on sheep there was no

The first premium for a Merino Ram, and the econd premium for ditto, were not awarded .-Milch Cow, 6 years old, of native breed, \$20 The committee thought that those exhibited did water looms.

SWINE.

Boars.-The committee award the first premium to John H Loring, of Groton, for his hoar, 54 months old.

Se;ond do, to Silas Dudley, of Sutton, for his bar, 8 months old,

Thrd do. to James Lovell, of Newton, for his

sows.

The first premium, to S. W. Pomeroy, Esq. \$12 he second do. to Luke Fisk, Esq. he third do, to Silas Dudley,

FOR PIGS.

the first premium to A 'am Morse,

Half the second do. to Isaac Miles, of Brighton, The other half do to Abiel Wheeler, of Concord. Consul, for exhibition only, were very much ad-

Massachusetts Agricultural Society, to promote the interests of Agriculture and Manufactures, Her properties for milk were promising, and to which they devote themselves, and not only their own funds, but those afforded by a liberal and enlightened Legislature; and they trust that \$1) the well informed Agriculturists and Manufactu-The dam of the Bakewell breed-the sire a rers of the State, will not lail to second these

> On the whole, a constant improvement is yearly to be seen. But more and better evidence might be afforded, to gratify those who delight in these proofs of the increasing prosperity of the coun-\$12 try; and your Committee are persuaded, that to

Per order, JOHN WELLS, Chairman. Brighton, Oct. 21, 1824.

REPORT No. IV.

The Committee on Manufactures award-For Broadcloth-the first premium to Slater and Howard, of Dudley, Woollen Manufactory,

Two specimens of Black Cloth from the Saxon Factory at Framingham, were offered for exhibition only. It was considered a very beautiful specimen of Cloth.

For Household Cloth-the first premium to George M. Barrett, of Concord, \$12 The second to Oliver Moore, of West Boylston, 8

There were five entries of Household Cloth, some of which would not discredit a professed

For Cassimeres—the first premium to Slater and Howard,

The specimens offered by them were of very uncommon excellence.

pole,

The Satinet presented by John Sampson, of Plympton, would have been entitled to the second premium, had it been entered in season.

\$20 For Flannels of Household Manufacture-the first premium to Theodore Lyman, of Northampton, for a very beautiful specimen, The second to Elizabeth Jay, of New Braintree, 7

The coloured Flannels offered by the Ware Manufacturing Company for exhibition only, were thought very creditable to the company, and the colours uncommonly good. They were woven in

There were two pieces of White Flannel from the Amesbury Flannel Manufacturing Company, one of them woven by water power, which is supposed to save half the expense of weaving by hand. The use of water power for the manutacture of flannel is said, on respectable authority, 8 not to have been yet commenced in Great Britain, and is an American invention. The Amesbury Flannels rival the best imported flannels.

For Carpeting-the first premium to Mrs. Gideon Delano, of New Braintree, 8 The second to Mrs. Levi Goodale, of West Boylston,

For Blankets-the second premium to Mrs. Cyrus Hubbard, of Concord,

Mr. John Hunter exhibited the best specimen of Blanketing, of very superior quality. The ar-Some Pigs sent by Mr. Manners, the British ticle not being made up into blackets, as required by the rule, the committee were unable to give him a premium

Your Committee are aware of the desire of the For Diaper-the first, premium to Mrs. John Hunter, of New Braintree, for the best wide

The second premium for wide Diaper to Mrs. Leah Coburn, of Dracut,

For Linen Sheeting-the first premium to Mrs. Gideon Delano, of New Braintree, The second to John Tower, of Cummington, For Sewing Silk—the second premium to Emily

Fitch, of Hopkinton,

There was no specimen entitled to the first premium.

The tables were covered, as in past years, with produce this desirable effect, the public attention a variety of substantial fabrics and fancy articles, not objects of specific premium. The committee recommend that the following sums be given as eratuities:--

To Mary Stearns, of Waltham, for a Coverlet, 38

To Mary B. Withington, of Dorchester, for a Counterpane,

To Jane D'Grant, of Wrentham, for an imitation Leghorn Bonnet,

To Maria Hartwell, of Shirley, for do.

To Hannah Carpenter, of Norton, for a Dunstable Straw Bonnet,

To Elizabeth Hapgood, of Marlborough, for a Straw Hat,

To Lucy Ann Howe, of Hopkinton, for Needle Work.

To the Misses Wheelers, of Worcester, for a specimen of Artificial Flowers,

To Percy Cobb, of New Braintree, for an imitation of English Cassimere Shawls-a new manufacture in this country,

To a young lady at Brighton, for a specimen of Silk Buttons and Frogs, equal to any ever im-

ported, To Naomi Abbot, of Boston, for a Lace Veil,

To Charlotte Brown, of Wrentham, for artificial Flowers,

To Emily Francis, Harriet Josephine and Wm. Jones, and Frederick Augustus Fisk, for specimens of Artificial Flowers, \$1 each,

To Miss Hannah M. Johnson, for a specimen of Silk Buttons and Frogs, and a Lace Veil, &c. 2 To Elizabeth P. Parsons, of North Yarmouth, for a Leghorn Bonnet,

To Mr. Battel, of Dover, for a specimen of Whip Lashes of a very superior quality,

To Prudence Howe Carter, of Leominster, for fine knit Socks,

To Triphena Smith, of Lincoln, for fine knit Stockings,

To Lucy Sprague, of Bridgewater, for Worsted knit Stockings,

To Miss H. Green, of Lincoln, for a specimen of Cricket Coverings,

To Hannah Flint, of Lincoln, for Worsted Stockings,

To M. B. and C. L. Scott, of Boston, pupils at the Academy of Misses M. A. & S. Clark, for a beautiful Hearth Rug,

To Mary Manning, of Charlestown, for a hearth

To Abigail Pomeroy, of Watertown, for a hearth Rug,

To Sarah Robinson, of Newton, for a patch work Carpet,

To Patty Spaulding, of Natick, for a Hearth Rug,

To Ann Dalrymple, of Marlboro', for Dunsta-

at Leominster, were of excellent quality.

Curtis, of Pepperell, were also excellent.

best quality.

A specimen of Carpeting presented by Mary Robinson, of Worcester, Elijah Wond, of Con-specimens of Butter and Cheese, both of which fording time for the competitors to exhibit the cord, and Mrs. — Flagg, were good fabrics, are of good quality—the Cheese, in the opinion evidence required. Soon thereafter the commitand creditable to the makers

very commendable industry.

similar fabric in use in this country, whether imported or domestic.

Co. were superior to any specimens exhibited in quantity of Cheese being 3797 lbs.; and of Butpast years.

The various articles manufactured from the lium of twenty dollars. milk weed, the Boots and Shoes presented by Abel Five samples of Currant Wine were entered Moore, of Concord, and many other small parcels or the society's premium-that offered by Mr. of fancy fabrics not before noticed, were very cre-ohn Heath, of Roxbury, is considered the best, ditable to those who exhibited them, and added ad is entitled to the premium of ten dollars-for much to the respectability of the Show,

The committee noticed a beautiful imitation i entitled to the premium of five dollars. 2 Leghorn Bonnet, by Miss Selina Parker, of Fitz- For the best barrel of Cider, your committee william, (N. H.) sent to enrich the Show. Also, recommend that the first premium of fifteen dolsamples of double gilt and single gilt Buttons, lrs be granted to Colonel Daniel Leland, of Shermade at Waterbury, in the State of Connecticut, brne, in the county of Middlesex—no cider sufby A. Benedict, having every appearance of the ciently good to be entitled to the first premium best quality of imported buttons.

RICH. SULLIVAN, Chairman. JOHN TAPPAN E. TUCKERMAN, JOHN LEMIST.

REPORT No. V.

to whom was also committed the inspection of Honey, of the very first quality, was exhibited 4 sundry articles of Manufacture, for which premiums were offered, REPORT:-

year old, and thirteen parcels of new Cheese, were offered for the Society's premiums, all of it from New Braintree, in the County of Woreester, a town for several years past, much noted for making and sending excellent Cheese to market —that offered for premium the present year, although a presently and making and sending excellent Cheese to market —that offered for premium the present year, although a presently and making and sending excellent Cheese to market —that offered for premium the present year, although a presently and making and sending excellent Cheese to market —that offered for premium the present year, although a present year, although a present year all a glass one tlaced over it for the young swarm had been put in June, 1823. Last June the young swarm had been put in June, 1823. Last June the young swarm had been put in June, 1823. Last June the young swarm had been put in June, 1823. Last June the young swarm had been put in June, 1823. Last June the young swarm had been put in June, 1823. Last June the young swarm are indications of leaving the wooden hive, but it also put in June, 1823. Last June the young swarm are indications of leaving the wooden hive, but in June, 1823. Last June the young swarm are indications of leaving the wooden hive, but in June, 1823. Last June the young swarm are indications of leaving the wooden hive, but in June, 1823. Last June the young swarm are indications of leaving the wooden hive, but in June, 1823. Last June the young swarm are indications of leaving the wooden hive, but in June, 1823. Last June the young swarm are indications of leaving the wooden hive, but in June, 1823. Last June the young swarm are indications of leaving the wooden hive, but in June, 1823. Last June the young swarm are indications of leaving the wooden hive, but in June, 1823. Last June the young swarm are indications of leaving the wooden hive, but in June, 1823. Last June the young swarm are indications of leaving the wooden hive, but in June, 1823. Last June the young swarm are i though apparently well made, yet for the most part is destitute of that rich and fine flavour necessary to constitute the best cheese for the table;—an unpleasant taste was perceiveable in some of the changes with the next morning after the bees swarmed." some of the cheeses, which perhaps may be at some of the cheeses, which perhaps may be at tributed to the food of the cows. Of the old Sugar Beet, and Russian Radish, were exhibited cheese, that from the dairy of Mr. Job Rainger, by John Prince, Esq. of Roxbury, who also sent was considered by your Committee to be the best, and is entitled to the premium of ten dollars—that from the dairy of Mr. Elisha Matthews, the Waugh Paugn Cornetta, of dark mixed colours; next best, and is entitled to the premium of five dollars. Of the new cheese, that from the dairy of Mr. Samuel Mixter, was adjudged to be a very great bearer, and ripens also exhibited some ears of early. Mr. Prince also exhibited some ears of of Mr. Samuel Mixter, was adjudged to be the early. Mr. Prince also exhibited some ears of best, and is entitled to the premium of ten dollars early golden Sioux Corn; it was fit for grinding—that from the dairy of Mr. John P. Nye, he on the 10th of September; is very valuable on next best, and is entitled to the premium of the account of its early maturity and yields well. dollars.

ble Straw and Imitation Leghorn Bonnets,

making good butter, that of sufficiently working in eanisters and bottles, and manufactured by Mr.

Many others are deserving of respectful menit over until the butter-milk shall be as complete Bickford, of Boston, was entered for exhibition. tion for the excellence of the articles of manufac-ly, and fully as possible expressed from it-tha and found on trial to be of a very excellent qualiture exhibited by them. Some of them probably from the dairy of Mr. Michael Crosby, of Becty. Four parcels of Calf Skins, and three parcels do not expect a gratuity in money, and as respects ford, in the County of Middlesex, was considered of Sole Leather, were exhibited at the Society's all not otherwise noticed, the committee hope to be the best, and is entitled to the premium Hall; the former appeared to be extremely well that an acknowledgment of their merit will be a satisfactory reward.

The energine of Letter Berner de L The specimens of Letter Paper and Folio Post tled to the premium of ten dollars. Mr. Stephen exhibited by Andrew J. Allen, and manufactured Hastings, of Sterling, in the County of Worcester, is entitled to the premium of seven dollars, Several reams of Foolscap Paper, by Edward for the next best. Your Committee take this opportunity to observe, that the common glazed The samples of Men's Hats exhibited by J. M. pots, or jars, are by no means the best vessels to Peck, of Boston, were in every respect of the be used for this article; the glazing imparts a deleterious quality to the butter.

of your committee, the best offered the present ted will make and publish an additional report.

A Knit Carpet, made by Elizabeth Prescott, of year; and Mr. Earl would have been entitled to Boston, is deserving of mention, as evidence of the first premium on this article, had it been separately offered for the premium, and had not the

The Lead Pencils exhibited by J. Thorough & leven cows, fed exclusively on grass-the entire er 143 lbs.; and said Earl is entitled to the pre-

te next best, Mr. Emerson Fay, of Watertown.

fered for this article, having been exhibited.

Two Hives well stored with Honey, were enered for the society's premium, by Mr. Ebenezer Vithington, of Dorchester, to whom your comnittee recommend to be paid ten dollars. His nethod of excluding the bee moth from the hive, vill doubtless be published in the Society's Jour-The Committee on Agricultural Experiments, al. A Glass Hive, containing about fifty pounds y Brig. Gen. Dearborn, of Roxbury, accompahied with the following communication: "The That five parcels of Cheese, of more than one chale in the day of the day of the control of the

Mr. William Ackers, also exhibited some large Seven parcels of Butter were entered for free ears of Yellow Corn-and the Hon. Richard Sulmium, some of it of a very good quality; but livan sent from his farm in Brookline, some very much of it deficient in a most essential point it large roots of Mangel Wurtzel. Some Mustard,

THOS. L. WINTHROP, Chairman. ISRAEL THORNDIKE, BENJAMIN GUILD.

Brighton, Oct. 21, 1824.

The further claims for premiums on Agriculterious quality to the butter.

Mr. William Earl, of New Braintree, offered til the Trustees' Meeting in December next; af-

A "Royal National Bath Company," is to be Two pieces of Bed Ticking by Samuel Slater, rules of the society interdicted the awarding two formed in London, with a capital of from 250 to of Oxford, were equal, if not superior to any of premiums to the same person for the same article 300,000 pounds, for the purpose of erecting baths the Butter and Cheese were made between the throughout London, to which all classes of its in-15th day of May and the 1st day of October, from habitants may have access at a small cost.

TO THE EDITOR OF THE AMERICAN FARMER.

Charleston, Oct. 30, 1824,

Sir,-I enclose you a copy of a report which was read at the last meeting of the Agricultura Society, and ordered to be published in our cit papers and American Farmer.-If you will, it a favour.

I have lately had the pleasure of hearing from some of our citizens, who have returned from the North, that the Non-Descript is floorishing in ma ny parts of Maryland and Virginia-If you coul prevail upon some of the farmers to give you th result of their success, through the medium ornamental an Hedge.

I remain, very respectfully, CHARLES E. ROWAND.

REPORT.

the have to remark, that to these various letters sea islands are still admirably managed, yet no greater efforts, from those whose situation would very few answers have been returned. This city of the parts can furnish evidence of improvement, not otherwise enable or prompt them to make the cumstance, whilst it gives evidence of a degree of apathy, which cannot be too deeply deplored, and which is unworthy of the generous spirit of affords but poor encouragement to your Committations, which created a new era in our agriculturists in this enlightened age and country, halacture, which created a new era in our agriculturists in this enlightened age and country, halacture, which created a new era in our agriculturists adopts the most judicious plan for the encouragement to your Committee; the prosecution of their future inquiries; the Europe to which we cannot expect again to ment of that valuable, but hithert anglested class. tee in the prosecution of their future inquiries; in Europe, to which we cannot expect again to ment of that valuable, but hitherto neglected class at the same time, however, that they censure the find a parallel, and cultivating a comparatively of men; and it is to be regretted that our funds negligent, they cannot but feel gratified at the virgin soil, the agriculturist never thought of will not permit us to offer a greater reward. It interesting communications which they have rechange, nor of improvement.—Those halcyon is true, that we are mostly theorists, and from the ceived; particularly those from Messrs. Myrick, days are now however passed; those happy times inhospitable nature of our climate, we was likely and J. H. Alston, on the subject of Rice Planting, are changed, and we must change with them to remain so; but does it follow, therefore, that The extraordinary success, which has attended Partaking in the general embarrassment, it be Mr. Myrick's plan, wherever he has pursued it, cones the duty of us all, to make every practigence, with facilities of communication and inproves its excellence, and shows that rice plant cabe effort to relieve our distresses; and how, vestigation, which our bretaren in the country, ing on some of our tide lands has been brought let is ask, can this be done, but by increased pro-almost to the acme of perfection, Deprived in a duction and diminished consumption. If these possess—we can collect and waft the earliest pgreat degree of the resource of original commu- discresses serve to call forth our latent energies, formation of improvement to the most distant nications, your Committee felt compelled to look agu to teach us frugality, industry, economy, and parts of the State. If properly encouraged and abroad for such materials in foreign works, as a petter mode of employing our means, may they assisted, we may be made the organs of commuthey conseived would most contribute to carry in not serve as harbingers, to a better and more per-nication of the latest improvements in Europe and to effect the design of the Society, in forming a minent state of improvement. Abounding in recollection for a volume. Even here, however, sources, we have hitherto either lavished or nether have been much restricted by the want of a glected them. But we forbear to trespass on the with an education that fits us for the task, in what sufficient number of books on Agriculture, from province of the political economist, or the states way could we employ that leisure better, than in which to make a varied selection. As utility is man—whilst our brethren of the north are mak-collecting such interesting facts, as occur in the the sole object in view, they have been guided in ing every exertion to extend the knowledge of agricultural records of other countries, and in their labours by the practical nature of the compagriculture, by establishing societies in every perusing the works of those scientific men, whose munications which they have adopted, and by section—whilst agricultural schools are springing labour, are a blessing to every country, and partheir adaptation to our climate, so far as circum up in various parts of Europe under the patronage ticularly those intrepid travellers, who have destances would permit. In their extracts from of government, shall it be reserved for us alone voted their lives to inquire into and illustrate the of those countries, and may be introduced into ple of a single individual, (Mr. Coke of Holk-ry without practice, it is by an union of both, that this, with considerable advantage, your Committies and it is a single individual, (Mr. Coke of Holk-ry without practice, it is by an union of both, that the most beneficial results are to be produced.—

tee have thought proper to extract from Simond's striving to advance their interest—if the manu Returne of Tuscanu, a detailed description of facturers have succeeded in imposing an increasing the description of the Comblees, or Warping. They have made ed and odious tariff, in spite of the eloquence and interests at stake, and often led to the guidance of imposing an increasing the deeply impressed to the complete of the complete Swartwood and others. They have selected es the carter in the fable, upon Hercules for re says on flax, hemp, and other articles, which they lief? No, let our difficulties double our exertions, conceive will be useful to our fellow citizens, and our energies; and then we may call with the the profession we follow. And here we are en-

mittee ought to stop, but they cannot omit this bright prospects which seem to open on their la It must be cheering to every member to your leisure, give it an insertion, I shall esteed find, that the apathy which too long enthralled sure been overcome, and that the Society by its

of the community. foreign works, they have confined themselves to leave it to the guidance of ignorance, prejudice, physical resources of distant nations. We do not chiefly to such passages as illustrate the agriculor accident? Are we not aware, that one of the pretend to deride practice; far from it, we are ture of India and Italy. As irrigation forms an most sterile counties in England, has become one convinced that it is essential to success. But pracessential part in the agricultural process in both of the most fertile, by the exertions and exam extracts on draining from Sir John Sinclair's Code reasoning of our faithful statesmen and repre-of Agriculture; and on the reclamation and drain-sentatives, shall we be contented to let things re ing of Marsh Lands, as furnished by Messrs. main as they are, and folding our arms, call like rance. This is only effectually to be done, by en-

They however beg leave to refer the Society for hope of success, not upon Hercules, but upon particulars, to a table of contents, which accomithat good and gracious Being who, we trust, will panies this Report-Here, perhaps your Com-bless our exertions. If we burthen posterity with our debts, let us strive to put them in possession opportunity to congratulate the Society on the of the best means of extricating themselves, to this we are prompted by every duty and every worthy motive. But we are told that we are theorists, and that our labours are of no importance and suspended its usefulness, has in some mea- to practical men. Were these remarks made by ignorant persons, and not repeated by those, anxious and unremitting endeavours to promote whose opinions ought to have weight in society, the great object of its institution, will deserve, we would not condescend to reply. Do we not and it is to be hoped, will meet, the approbation promote the cause of agriculture by associating together, to interchange opinions respecting the To extend our usefulness, however, we must state of our crops, and different modes of culture, your paper, I think it might have a heneficial effreceive more encouragement than we have hith-adopted in different neighbourhoods? Do we fect to induce others to obtain so beautiful an erto done; although we hope even with our pre- not know, that by these means we may obtain sent means, to do much, vet we cannot accom- valuable information from those, who will complish all that we may reasonably desire. The municate their knowledge orally, but cannot be depressed and wretched condition of our agricul- prevailed upon to commit it to writing? Are not ture in the lower districts, with very few excep the improvements of one district or neighbour-tions, must be obvious to the least observing tra- hood kept secret for years, for want of this chan-The Committee on Communications and Foof the patriot and friend to improvement. The that the youthful agriculturist should have an reign Publications, beg leave to submit the follow dilapidated state and condition of most of our opportunity of holding converse with those, who ing Report:—Your Committee, deeply impressed farms and plantations, furnish abundant evidence have devoted their lives to the pursuit? Above with the importance of the duties assigned to that there is something wanting to put our Agri- all, do we not effectually promote the cause, by them, addressed, at a very early period after their culture generally upon the footing on which it giving suitable rewards to those, who shall have appointment, letters to all such persons as from ought to stand. Who, in passing through this been successful in any department of agricultutheir success in agriculture, they deemed most lower country, can fail to observe the sad contrast ral industry? It is in this point of view alone, likely to furnish important information, on the which it presents, to what it did thirty or forty our association claims regard—it is by furnishing most practicable modes of rural improvement if years ago; although our tide lands are unques- in addition to the stimulus of ambition, a hand-this state. It is with regret, that your Committionably better cultivated than formerly, and our some pecuniary reward, that we are to hope for

tice without just theory, is almost as bad as theo-

of ignorance; surely we must be deeply impressed with the importance of dispelling that ignocouraging our overseers and managers, and making ourselves acquainted with the rationale of couraged by the example and advice of some of of the last winter and spring on that Island for pf good coffee. It is then spread upon extensive the greatest patriots that ever lived. Not to cite the benefit of his health. the names of those who are gone to their reward in another and better world, we could mention a Malison, a Pickering, a Peters, and others, who branches from within a foot of the ground uphave not only given their sanction to such associations as ours, but are active and zealous members. Our Agriculture cannot be improved, so than five feet and a half high. Its general form long as it does not excite the attention of those is conical. who are most interested in its success.

of land, those who are fitted by their education to chosen, which usually has a red soil, and is geneform enlightened plans, and by their fortunes to rally free from stones. A square, or parallelocarry such plans into execution, it is from these, that the plans of improvement must flow to the 540 acres, to be enclosed in a hedge of lime, pi laboring classes of the community; and in all nion, or some other suitable material. The lime classes the benefit is mutual; for the interest of hedge is very beautiful, being from four to six the tenant must be the interest of the proprietor. feet thick, and having its top, by frequent trim. The attention of the laborer will be more minute, and he will exert himself more for improvement, tiful, but it takes less room, requires less atten when he is certain he cannot deceive his employer, and has a conviction of the extent of his knowledge. Ignorance in the possessor of an estate, the principal avenues through it are next laid out; Rail-ways," appear to fall most naturally under
of the manner in which it ought to be treated and they are generally two, three, or four rods the above head. generally leads either to inattention, or injudici wide, straight, and intersecting each other at ous practices in the tenant or Bailiff-Agrum pestright angles. In the finished estates, these are country, yet; our population may not be dense simum mutetari cujus dominus non docet, sed au- usually ornamented and shaded on each side hyenough to undertake to construct Rail-ways, but dit vi'licum. Discoveries made in the cultivation rows of the orange, citron, loango, almond, avo it is well to become familiar with the subject hy or the earth, are not merely for the time and cado, and palm trees, &c. At the termination of timely contemplation of it, in all its bearings—country in which they are developed, but they one of these, and situated perhaps on elevated there is no knowing what this country may not may be considered as extending to future ages, ground, is the house of the planter. Smaller and as ultimately tending to benefit the whole avenues are next made parallel with the others. tions yet in come; as multiplying life, and not and are kept smooth and neat. only multiplying life, but likewise providing for its enjoyment."

pleased divine providence to visit us during the two feet, from seeds sown under the shade of sound case; in the country, our dwellings have been of six or seven years, may be regarded as marketered by the raging tempest, and the hopes of ture. When a tree dies, a new one takes it how much greater interest it would yield the community in every respect.

At the first view of such a plan, individuals are out the land, and we pay truly say restauding. divne will, let us be thankful to the God of merve have still reserved to us our intelligence and rection, waves its beautiful summit. ndustry. The genius of Carolina beholds with pride and exultation the rapid strides with which her sister states are marching to the complete glory of their island. fulfilment of the high destinies which seem to await them-she hopes that the sun of prosperity, will long shine on them, and if she pauses for a by from 40 to 400 negroes; and in proportion to course. There is no branch of political economy moment to sigh at her present condition, knowing the gross income, the expense of conducting them which so imperatively demands particular attenher resources, she springs forward with redoubled is said to be considerably less than that of the succession in every district, and none so worthy of naenergy and calls upon her sons to assist her in de- gar estates. Hence their number is more rapidly tonal support, as the facility of communication veloping them-surely she will not call in vain .-Bound to her by the tie of affection and gratitude, let her misfortunes strengthen our attachillustrious Pitt-Oh my Country! Let us never forget the dying words of Father Paul-esto per fretua.

All of which is respectfully submitted.
WM. WASHINGTON,

COFFEE PLANTATIONS IN CUBA.

The coffee tree has only a single stem, which rises perpendicularly, and it is well filled with wards. In order that the fruit may be gathered with facility, the tree is not suffered to grow more

A coffee-field is laid out with great attention to "It is, (says Sir H Davy,) from the proprietors order and beauty. A piece of level ground is gram is then marked out, containing from 100 to

human race; as affording subsistence for genera. All these avenues are preserved free from weeds, or Franklin's, our Fulton's, our Evans' and our

Thus the whole ground is thrown into squares, which are to be filled with coffee plants. These The afflictive dispensations, with which it has having previously grown to the height of one of live fifteen years. Among the coffee, especialy disposed to ridicule it as chimerical, this is, inout the land, and we may truly say, respublica est when it is new, the plantain is suffered to grow, deed, the lot of all new schemes; but let it be afflixta. Bowing with becoming submission to the for the purpose of giving bread to the negroescv. that there is one drop, one cordial drop of lift their golden fruit above the surface; and far stand. The lighting of towns with gas was no hoe, to cheer is amidst our distresses, and that above the rest, the privileged palm, in every di- doubt ridiculed by thousands who now hold shares,

100,000 to 400,000 trees in each, and are wronght to of an entirely new system of national interaugmenting.

in the early part of May, and sometimes oftener; improvement, few persons seem sensible of its ment—and whilst we venenerate the last senti-but the blossom, on which most dependence is importance to individuals. This is proved by ments that faltered on the quivering lips of the placed, is the one in May

Then a vast level of preseverance in a system where want of skill in surface, white as the drifted snow, is presented to the direction of all our roads, their accumulating the beholder; but varied and enlivened by the abt, and generally bad condition, are the only taller trees just mentioned. The harvest com characteristic features. mences in September, and ends in February or GTON, March. If, within this time, the average of halt ever, already so fully proved, by its universa-Chairman. a pound of coffee is gathered from each tree, the adoption in our mining districts, in our manufacharvest is esteemed good.

they are considered ripe for gathering, and the which might daily he derived from its general ap-The following account of the Coffee plantations negroes, properly equipped, are sent into the plication to our inland conveyance. in Cuba, forms a part of an article in the Mission- field. An industrious negro will gather five bushary Herald for September. It was furnished for els in a day; and a bushel in the pulp, fresh from cannot fail, in process of time, to attract univer-

eyers made of stone and mortar. This process equires nearly a month. The husk or shell is hen separated from the seed, in a mill, which xactly resembles the milis in this country, where pples are ground in a circular trough, by a huge lang scone-excepting that the roller for the offee is wood, though of considerable weight .n a few cases, a machine of a very different conruction is used; but it need not be described.

The pulp being removed, the whole is exposed n the action of a fan, and then of a sieve; after thich the female slaves carefully pick out the refective kernels. From 12 to 15 hundred pounds nay thus be cleaned in a day. In the opinion of he planters, the flavor of coffee is materially imroved by age. That which is four or five years dd is preferred.

Internal Improvements.

There may not be sufficient Capital in this There is no knowing what this country may not realise, when its resources are at the command of, and its destinies shall be wielded by such men as Clintons.

Observations on a General Iron Rail-way; or Land Steam Conveyance, to supersede the necessity of Horses in all public vehicles.

Sir,-From the particular attention which the present year, are calculated to excite our tender- grove, are carefully transplanted, and are arrang-government and the public are now bestowing est sympathies. Whilst in the city, the arrow ed in rows parallel with the avenues, and nearly upon steam navigation, it follows, of course, that flieth by day and postilence walketh in darkness, six feet apart A square contains 10, 20, or 30,000 h similar conveyance by land, with its numerous, whilst we have been frequently called to mourn trees. By the third year from this time, they utyet unforeseen advantages, must also command

> remembered that it is the peculiar privilege of Here and there, also the orange and citron tres, the ignorant to ridicule what they do not underand nightly enjoy the benefit of that luminous Such plantations are great, splendid gardens, project! If public attention could be roused, in and are justly regarded by the inhabitants as the order to examine, impartially, into the present policy of our inland conveyance, every individual The plantations that are finished, contain fron would soon be persuaded of the absolute necessition in every district, and none so worthy of nafrom town to town throughout the united king-The trees generally blossom in February, and dom, yet, from the very general nature of this

The practical economy of steam-power is, howl topes, and on board our packets, as to afford de-When the berries acquire a dark red colour, industrative evidence of the numerous advantages

The national importance of this improvement that work by a gentleman, who spent some part the tree, is expected to yield at least ten pounds sal attention, both at home and abroad, the great present system of steam-packets may appear, the more apparent, as it unites, in a ten fold degree; every advantage which steam-packets, cands, coasting-traders, and turnpike roads now yiel

modes of conveyance, compared with that of a general iron rail-way, must eventually rouse asengineers, can still waste their time and the pibquestion. By direct communication of land steah channels by stea n-packets, we may confidently promise ourselves the certainty of thus performing the whole conveyance, or transport, of goods and persons, by the sole power of steam both by land and water.

By the establishment of a General Iron Rail way, in a direct line, the distance between the capital and the manufacturing districts, and the principal cities, might be reduced one quarter. and in many cases, one third, instead of the diculously winding course the stage and milcapital and ail places of commercial importance is egregiously lengthened by the most extraordi narily serpentine direction of almost all our canals

The permanent prosperity which would arise to commerce from this rapid communication,

branches of commerce and manufactures with and understood. their source, so in like manner would the domestic convenience of individuals residing in the vicinity of London be much improved, the immense population spread around this great city, going to and fro every day by the numerous stages, might be conveyed with greater personal accommodation and safety in one half the time and at one-half the expense now incurred; the circumrail-way in every respect, therefore I should have thought it is likely for the plan to have comm n ced at the capital, as soon as at Birmingham, Manchester and Liverpool; between these three places a rail-way is about to be laid down for the general introduction of land steam conveyance and I hope, that the citizens of London will b zealous in promoting an object so highly benefit cial to themselves as well as to the whole country if a public meeting were convened by the weal thy merchants and capitalists of the metropols in order to canvass the relative properties of this scheme, the example would soon be followed in and understood,) and the many millions now an | merchandise of every kind, all which might con-surface, so us to accelerate the speed of carriages

hy steam packets afford the most perfect illustra- humocessary horses, might be divided by the hold tion of this scheme; but however excellent the ers of shares in a General Iron Rail way Company and to the aumerous British Companies, which superiority of land steam-conveyance will be still would be established throughout the united king-

Harl a rail-way been laid down instead of the asting-traders, and turnpike roads now yiel. Regent's Canals, the public in general, and the The expense attending these four different merchants, would soon have acknowledged its superiority, and the proprietors would not have had to repent of their subscriptions, London, tonishment in every thoughtful mund, how our most particularly, requires a new system of communication with the commercial and manufacturlic money in delusive canal speculations, and on ing districts, the commerce of London must dethe present miserable system of roads!-Why cline in consequence of the tedious delay and may not the same facility and dispatch be given heavy expense which attend the exportation or on land as we now find in daily practice by steam - limportation of merchandize here compared with packets? Let our engineers answer this simple the north, and in order to enable the metropolis to hold its wonted rank, as the chief commercial conveyance throughout the interior of the united city, it must carefully watch, and patronize in the kingdom, and the present facility of crossing tie south, every improvement of the northern ports, which are progressively gaining strength, and rendering themselves independent of the capital. In every view of the subject, the city of London lished by Messrs. Baldwin, Cradock and Joy, would reap the greatest benefit from this project; the East and West India merchants, indeed all merchants of London, might negociate in the to convince me that no conveyance which the populous towns and villages of the north on the most improved canal or public road, now affords, same terms as those resident there.

The inhabitants of London might be regularly supplied with coal, from the inland collieries as well as from Newcastle and Shields, on reasonacoaches now daily run. This remark is still more ble terms, instead of the intolerable price they applicable to canals, where distance between he now pay; the many disadvantages attending the the opposite extremes of economy and skill comcoal trade in London are sufficiently apparent in the expense of vessels, seamen's wages, protracted voyages, insurance, tonnage dues, light dues, lighterage, &c. and it should also be remembered, that vessels in this trade, generally, I believe, rewould soon be felt in every corner of the united turn from London in ballast, whereas coal-way ment of horses, are totally unnecessary; it will kingdom; the mails from London to Manchester, gons coming to London on rail-ways might be scarcely be credited that a stock of 100,000 hor-Liverpool, and Leeds, might be conveyed within certain of lading, on return, to all the populous ses renewed every four years, will cost, their the space of twelve hours, and those to Glasgow districts through which they would pass. One keep and interest of capital included, in the course and Edinburgh within twenty-four; the ordinary gang of coal-wagons, carrying the lull freight of of twelve years, no less than thirty-four million stage-coaches, caravans, and vehicles, for the a vessel, might be forwarded from Newcastle to seven hundred thousand pounds. conveyance of every description of merchandise, London in three days, by the simple expense of might also be transported on the same improved and economical principle.

London in three days, by the simple expense of might also be transported on the same improved one steam-engine; but the manifold benefits which the employment of steam-power, will be obvious this measure would throw open to the general to every one when it is mentioned, that one steam-As this alteration in the conveyance of vehicles by land will tend to improve all commercial conrior of the united kingdom, can only be justly apnextons, by the approximation of the various preciated when they become universally known carrying twice the luggage and number of pas-

It remains only to know the exact amount of dapital required for a rail-way, in order to show the feasibility of this scheme, and on this head, journey. if we reckon each single rail-way at two thousand pounds per mile, and allow two rail-ways for vehicles going down, and two rail ways for those re turning, the whole sum, per mile will be eight thousand pounds; however, to guard against jacent country is particularly well adapted for a contingent expenses, let the sum be stated at twelve thousand pounds per mile, and this I think the most experienced engineers and surveysor will allow to be the utmost extent; the distance between Newcastle and London, in a direct line, will be about two hundred miles, which, at twelve thousand pounds per mile, cost of the rail-way, will amount to two million four hundred thousand pounds capital stock.

Taking, for a calculation, the number of chaldrons of coal annually consumed in London to amount to two millions, and reckoning the toll to be levied upon each chaldron per rail way at five shillings, for the whole distance from Newcastle

facility and economy in our daily com nu reation [mully squandered away in nurchasing and feeding [tribute a three-fold toll to what is now paid on turnpike roads, and still convey goods and per sons at one-half the present charge, and in onehalf the time.

> The experience already had of our canal-convevance cannot fail to convince every impartial reader, after due observation, that the heavy expense attending the construction and repair of canal boats, with all their multifarious tackle, men's wages, horses and their keep, must render the transport much dearer than by an improved rail-way, which so peculiarly combines both economy of time and of labour; the few hands required to superintend a gang of wagons on the rail-way, compared with those employed in the conveyance of the same freight by a canal, can only excite the astonishment of every one, how our engineers should have so particularly directed their attention to this latter system in preference to the former. For further information on this subject, I beg to refer your readers to my "Observations on a General Iron Rail-way," containing plates and maps illustrative of this plan, pub-London.

> Every day's experience serves, more and more can be compared with this simple mode of conveyance; the application of mechanical power on improved rail-ways. Indeed, as wasteful expenditure and want of skill are the only characteristic features of canals and turnpike roads, so are bined, alike descriptive of the rail-way.

> Steam carriages, on the plan now proposed, would answer every purpose required by the intercourse of the country, and clearly prove that the vast expenses now incurred by the employ-

> engine would, on an improved rail-way, draw from London to Edinburgh, three stagecoaches, (each sengers of ordinary coaches) in thirty hours, which now require three hundred horses, and at least fifty hours time for the performance of the

Whatever attempts may be made to bring steam. carriages, or other mechanical vehicles into use on the ordinary turnpike roads, few of the numerous obstacles and inconveniences which present themselves against their introduction, need but be stated to convince every one of the impro. priety of such a measure; these new steam-carriages on descending the steep hills of our ordinary turnpike roads, would, on the slightest accident happening to the machinery, be dashed to pieces; the small weight drawn by one steamengine, as well as the dilatory rate of speed, comhared with what the same engine might effect on an improved rail-way, is of itself sufficient to show the folly of the attempt. There is also another objection which cannot escape any person's observation, namely, that no steam-engine could be suffered on the common turnpike road, without endangering the lives of individuals, as no horse, all parts of the kingdom, (for it is only through to London, this branch of commerce alone would generally speaking, would pass these terrific mathematical examination yield a revenue of five hundred thousand pounds chines; therefore, it must be evident, the only into the effects likely to result from the alone will be a series of the state of the of the sta into the effects likely to result from the adoption of to the proprietors of the rail way, without taking likely way of success is to form our road, that it this measure, that its vast importance to the nation, into account the numerous daily vehicles of every may be adapted for the peculiar construction of as well as to individuals, can be properly known description for the conveyance of persons, and of steam-machinery, by a perfectly even and solid

pike roads should be left as they now are, with-other shot. out any further waste of public money in delusive schemes, and a perfectly new system of convey ance begun, more consonant with the spirit of the mercial nation.

I remain, Sir, Yours respectfully, THOMAS GRAY.

Atotingham, 2d August, 1824.

Rural Sports.

[Another Partridge Match was shot last week at Hampton, only 56 birds were bagged; birds were sants, amounting in the whole to 325, not with scarce, and the match closed at an early hour .-The losers paid a good oyster supper; and as we been bagged on the same manor. were invited to partake of it, we shall say no more about the matter, but wish them more birds and the manor of Riddlesworth, in Norrolk, 374 hares, while Mr. Coke missed nearly every other. better luck. The following extracts from the 725 partridges, 701 pheasants, 49 snipes, 6 wood "Annals of Sporting," show the number of game cocks, and 3492 raboits, making in the whole 5548 killed at celebrated shooting matches in Europe.] -ED. AM. FAR.

EXTRAORDINARY SHOOTING EXPLOITS .- To the Educr of the Annals of Sporting.

Sir .- As much interest has been lately excited total, 1307. in the Sporting World by the recent performances of Lord Kennedy and Mr. Coke, I beg leave to ket, the seat of Sir John Sheliv, 91 hares, 64 a single stalk, in Pennsylvania, I am induced to send you the following list of the most remarkable occurrences in this way that have taken place for some time past.

est individual performance on record. Lord Kennedy, in two days, bagged 132 brace; thus losing was dressed on the day of the Grand Jubilee, the wager by 41 brace. The exploit of Lord In October, 1807, at Up-Park, Sussex, the seat Kennedy in August, 1822, will be fresh in the re- of Sir W. Featherstonhaugh, 501 brace of games collections of the readers of these Annals.

the manor of Fobsey-Magnus, in Cornwall, and a visit to the gentleman just mentioned. killed, in the course of the day, 43 brace of birds.

Lord Rendlesham and a party killed 3775 head in addition to his partridges, Mr. Austin killed of game during the fast week in the season of 1807. five hares and a water-rail. Both gentlemen used

On the 3d of September, Mr. Lacey, of Wimborne-Minster, shot upon the manor of Verwood, ty brace of partridges, ten brace of hares, and 12 with the rising sun, and closed it at four o'clock. surpes; total 2863. He was attended by six servants and tour couple of pointers.

forty brace of partridges, on the 1st of September, on the manor of Heydon. He shot forty-one

brace and a half.

In 1811, Mr. S. Clark, of Worlington, Suffolk, engaged, for a bet of fifty pounds, to kill and bag forty-seven shots out of fifty. He killed the first forty-eight, missed the forty-ninth, killed the fiftieth, and continued shooting until he killed the ten following, making sixty shots with the loss of tively few. only one bird. As tar as the art of shooting is concerned, this will be found superior to the exhe discharged 327 shots, bagged 180 birds, (pheasants included,) and, consequently, missed 147 names of the twenty-three sportsmen and shortsshots. Some idea may be formed of the quantity women, with the number and kinds of game killof game on the ground chosen by Mr. W. Coke, ed (commencing with stags, roebucks, boars, for highest grade of excellence will be sold and dish turnips, of twenty acres, he bagged thirty humber of shots, viz: 9794, of which 978 took Country.

with a less propelling power, and consequently brace. It may be also further remarked that he place in one day. S. A. R. la Princesse Charlotte diminish the expense of conveyance. To give the missed more shots on the first day than on the was in the field every day, on one of which she necessary encouragement to the rapid improve-ments of mechanical power, the common turn-be fairly presumed that he missed almost every killed, 47,950. second; so that, on a moderate calculation, it may fired 889 times. Total shots, 116,231. Game

A gentleman of Snssex, on the 2d of Septem- fired in two days 12,090 shots, and killed only ber, 1811, went on a shooting excursion into Nor. 3.650 head of game. folk, and, after pursuing his diversion for eleven times, and better adapted for the immense inter-course and increasing traffic of this great com-killed—partridges, 121 brace; hares, 18 brace; rabbits, 17 brace; making in the whole 312 head

> The Duke of Newcastle, accompanied by two friends, in Manton woods, near Bawtry, killed, in killed 800 head of game in the neighbourhood of one forenoon, 36 hares, 35 cock pheasants, 18 rab-

bits, and one woodcock

On the 28th of January, 1812, John Mosely, Esq. of Tofts, Norfolk, accompanied by eight are effective. Bad marksmen keep the balance friends, within five hours, killed eight partridges, even. Finally, it may be observed that the quan-12 hares, one woodcock, 28 rabbits, 275 phea-tity of game killed is not always a proof of supestanding that nearly 600 pheasants had before nedy and Mr. Coke there is great reason to be-

In 1811, when Lord Morra (Marq of Hastings) and several other shots of distinction were on a visit to Mr Coke, in Nortolk, the following were bagged in six days: 264 pheasants, 314 partridges, 29 woodcocks, 46 smpes, 283 hares, 371 rabbits;

by seven gentlemen.

The Duke of Rutland, at Chevely Park, attend-The return of Mr. W. Coke's shooting for two ed by his gamekeeper, killed 109 head of game.

On the following day, all the sporting gentlemen which he killed five pheasants. This is the greatand parkkeepers went out, and killed as much produced any moment. game as filled four one horse carts! The whole

were shot, from Wednesday morning, the 7th, to, In 1809, Messrs. Austin and Foster shot upon Saturday night, the 10th, by a party who came on

had a shooting party at Holkham, who killed, in three days, 1457 head of game.

Dorsetshire, which contains only 2500 acres, thire killed, in fifteen successive days, (Sundays excepted,) 1131 hares, 214 pheasants, 350 partridges, couple of rabbits. He commenced his day's sport [883 rabbits, 30 woodcocks, 12 woodpigeons, three butter, domestic wines and household tabrics, &c.

been known to kill 20 brace of partridges in a these public agricultural displays, seems now to Lord Kingston made a considerable bet to shoot day at forty shots, without selecting the shots, but have taken fast hold of the public mind, and to

days' shooting has never missed.

enjoyed in the field, he himself shot 572 head of ofsuperior quality and of different ages and classes game; but no mention is made of the number of passed under inspection. Nearly one hundred man, he was equal to his brother, Louis XVIII. pers for Swine were so filled that it became necesthe number of shots missed would be compara-

The shooting exploits of an imperial party from Vienna, in the Boneman territories, in the year ploit of Mr. W. Coke, as the latter missed a great 1753, beginning the 29th of August and continued us to congratulate the state on the permanent number of shots: on the second day, for instance, for twenty days, afford a curious record of slaughtered game; it contains columns, specifying the from the circumstance that in one field of Swe-les, &c.) The emperor himself had the greatest bought, and their blood diffused throughout the

In 1788, a company of ten persons, in Bohemia,

In Germany, during the month of November, 1797, Prince Lichtenstein and eleven other gentlemen killed, in one day, when they were out fourteen hours, 39,000 head of game; it was of all sorts, but chiefly hares and partridges.

The king of Naples and Sir William Hamilton Casarte (640 of which were partridges) in a very

short space of time.

On an average, perhaps, not half the shots fired rior dexterity; and even in the case of Lord Kenlieve that the former is the best marksman; on a In the same year (1812) there were killed, upon recent occasion, he missed about every fifth shot,

> Your's, &c. A SHOOTER.

From the Bond of Union, published at Belleair, Hartford County.

MORE PRODUCTIVE STILL!

Mr. Coale-Having noticed in your last, a statepheasants, and 101 rabbits were killed in one day publish the wonderful fruitfulness of Rye, which rew on a farm on Deer-Creck this year, viz:-From a single root 71 perfect brades, averaging

THE FARMER.

BALTIMORE, FRIDAY, NOVEMBER 26, 1824.

THE WESTERN SHORE CATTLE SHOW.

The Editor's attention has been so much engrossed during the week by the Agricultural Ex-At the latter end of October, 1807, Mr. Coke inhition, that he has found it impossible to prepare a detailed and satisfactory account of it.

THE FIRST DAY of this grand annual Farmer's In 1808, Mr. Coke and seven other gentlemen Festival passed most happily The weather was uncommonly fine, and the display of all sorts of domestic animals-specimens of crops, npes; total 2863.
A Mr. Jenkins, near Petworth, in Sussex, has witnessed. The conviction of the great utility of look them fairly as they happened; and in four pervade so extensively every part of the state, hat gentlemen were attracted to this one from The last day which the unfortunate Louis XVI. the most distant points Not less than fifty Horses shots which he missed. If, however, as a warks- next Cattle; a great number of Sheep, and the sary to erect many more after the exhibition co nmenced. Unexampled improvement was observed to have taken place in this class of animals. The great satisfaction expressed by all, enables establishment of these shows, and the number of sales of stock of improved blood, evinces, that

THE SECOND DAY we occupied in the exami- by the side of their Fathers, in the cause of Amerination of Household wanufactures, which were ten times more various than at any former exhibit tion, and were much admired by the ladies who attended to inspect and encourage them.

The samples of butter were more numerous than heretofore, and the quality will be proclaimed in the Reports of the Judges. The Ploughing Matches, with oxen and horses, were well conducted, though on ground rather unsuitable, but

THE THIRD DAY, was above all interesting and honorable to our Association, as it was distinguish. ed by the arrival and the good offices of the " NA-TION'S GUEST" himself, who came to give by his cheering and gracious presence, a spur to these peaceful conflicts of the plough, which, beginning in a spirit of generous and patriotic emulation, invariably tend to the promotion of the publick welfare. General LA FAYETTE, accompanied by the Honourable ROBERT SMITH, President of the Society, arrived on the ground about eleven o'clock. He was escorted to the field of Exhibition by Gnvenor Sprigg, at the head of a detachment of his well disciplined Volunteer Cavalry, and was accompanied by his estimable Son, and Secretary, by the Mayor of our City and the Committee of Arrangement; by W. W. SEATON, Esq. on the part of the Corporation of Washington; by Governor BARBOUR, of Virginia, Governor Dickerson, of New-Jersey, Dr. Kent, of the House of Representatives, and Col. Emo-RY, of the Executive Council; with many Men-

On his entrance, a long avenue was formed by the members, through which he passed to the tion.

In a short time General HARPER, by appointment of the Society, rose and delivered a very able, eloquent, and highly instructive, and gratifying, practical address; when he finished, the encouragement to the views of our association. Chairman of the several Committees came for lt was a source of regret that Col. Powel, the through a large circle, formed by the members, ested SOLDIER OF LIBERTY, the veteran compa-nion of IVASHINGRON, and the unvarying friend of America.

made by this part of our ceremonies, as it would be to anticipate and describe its salutary effects, and the particular objects of our Institution. Here, for once at least, AGRICULTURE saw her importance recognised, and her dignity confirmed, calculated for 250 people. -more than five hundred of her hardy sons, beheld the very man, the same LA FAYETTE, whose disinterested patriotism and chivalrous sacrifices*

can freedom, is associated with all they know the other Shore, oppressed, not destroyed, by every of their Country's Independence—there he stood, sort of European Weed—may it rise again, vifull in years, yet fuller in virtue, as if waking up gorous, and hure, and cover the soil of both Hefrom the slumbers of half a century, through mispheres. which a benignant Providence had preserved him, to realise the vision of his immortal compatriot, Franklin! and to contemplate with benevolent delight, the increase of his countrymen in numbers, and in strength; enjoying all the means of national happiness, and all the resources of national power and safety-appearing amongst us now to give his benedictions, especially to the plough, and to receive the benedictions of those, who now, more than ever, will be proud to follow the plough. It was, altogether, a spectacle so fascinating, so impressive, so productive of strong and interesting emotions as we can never hope again to witness; how striking was the mixture of alacrity and diffidence, of pride, and of reverence, with which every one stepped forward to receive his premium, with the smiles and the good wishes of one of the noblest champions that ever drew his sword in defence of human freedom! Let then ing, while he is preparing our best food. these premiums be inscribed "By the Agricultual Society through the hands of La Fayette," and tude of the sons of his fellow-labourers in the field let them be handed down from generation to generation, to be cherished yet more and more, until the time shall arrive, which God forever til the time shall arrive, which God forever 12. The principles of Free Government—The postpone, that the American Farmer shall cease light gleams through the night of Slavery, and to sing at the tail of his plough, of LIRERTY and will increase to perfect day. LA FAYETTE.

After the delivery of the Premiums, the Farmbers of the Legislature of Maryland, and an hororable and numerous body guard of substantial of the American Farmer, formed themselves into her smile, and rewarded by her affection. two lines, between which the General passed, most graciously shaking each one by the hand, and then, he was invited to a seat at the head of head of the enclosure, where plain and suitable the table, on the right of the President of the arrangements had been made for his accomoda- Society, supported by the Mayor and Doctor Kenti Society, supported by the Mayor and Doctor Kent on his right, on the left of the President, sat the Orator of the day, Governor Barbour of Virginia, Col. Emory, and other practical farmers of distinction, whose presence gave countenance and

It was a source of regret that Col. Power, the ward and read their Reports, and the fortunate Corresponding Secretary of the Pennsylvania Agcompetitors being called, appeared, and passed ricultural Society, who had on this, as on previous occasions, favoured us with his company and to receive the trophies of their industry and his judgment, was compelled by other engage-skill, from the hands of the gallant, the disinter-ments to leave vacant the conspicuous seat which had been assigned him.

The dinner, provided by Messrs. Watson & Harrington, was substantial and excellent, doing It would be difficult to define the impression credit to them and giving universal satisfaction.

When dinner was over, the following toasts, prepared by a committee appointed for that purin favour of the general husbandry of the State, pose, were announced by the President, and repeated by George Cook, Esq. and by Col. J. G. than's three daughters, Agriculture, Manufac-Davies, from the center and the foot of a table tures, and Commerce: Let not the first born, who

> 1. Our Country—A store-house to which the family, be neglected by their father. world may resort, for the seeds of republican institutions, national independence, and private vir-

2. Our Country's Father-His first care was

3. Our Country's Friend-the Nation's Guest sword into a plough-share, when it was no longer by his practical knowledge of the drill system, wanted for the defence of liberty—with thirteen

By the same—George W. La Fayerte—Th.

Whereupon, Gen. LA FAVETTE rose and said, duce its like. -that in his double capacity of an American patriot and a practical farmer, he had the most af-fectionate acknowledgments to proffer for the ho-by W. C. Somerville—Our govern fectionate acknowledgments to proffer for the ho-nours and gratifications conferred this day upon May she always keep the beams of our ploughs,

The Seed of American Liberty, transplanted on

4. The President of the United States-He has done a good day's work .- The flock which he has tended has increased and multiplied, and its condition is his pride and his reward.

5. The Plough, the Loom, and the Shift-All indispensable for prosperity; -the first for exis-

6. Roads and Canals-Which increase the products of industry, by bringing the farm, the workshop, and the wharf, nearer together.

7. Household Manufactures—The National Savings' Bank, where all the scraps of industry are collected and turned to account.

8. The Ox-Most useful in life, at the smallest cost-which he re pays at his death.

9. The Cow-The best emblem of abundance, which she contributes most to create.

10. The Sheep-Which supplies our best cloth-

11. The Farmer of La Grange-Let the gratiof our revolution, secure to him a rich harvest of renown from the seed then sown.

13. Woman-Heaven's best gift here below-The farmer's toils, like the dangers of the sol-

VOLUNTEER TOASTS.

By General LA FAYETTE-The Maryland Farmers: The plough-share, into which their sword, after the revolution, had been turned, became again in the last war, a victorious sword.

Governor BARBOUR next rose, and after a few appropriate remarks, delivered in his own impressive and eloquent manner, thanking the Society for their kind attentions, and declaring the peculiar pleasure which he always finds in the company of those, who, like himself, rely for their support, exclusively, on the cultivation of

the soil, gave—
The Agricultural Society of Maryland—May its liberal example be an object of universal imi-

By Capt. JACOB HOLLINGSWORTH—The President of the Board of Trustees of this Society; Gen. CHARLES RIDGELY, of Hampton: whose absence, and yet more, his indisposition, we all

By the Orator of the Day-Brother Jonanursed her younger sisters, and feeds the whole

By THE EDITOR OF THE AMERICAN FARMER -The Ladies who sent their beautiful manufac. tures to our exhibition: Of such it may be said, as of the virtuous woman in holy writ, "she looketh given to his country's safety—his second to its well to the ways of her household; and eateth not cultivation.

By James Howard-Our distinguished agri--Like Washington and Cincinnatus, he beat his cultural guest: Our country has richly profited

By the same-George W. LA FAYETTE-The patriotic son of a patriotic sire-like will pro-

By G. W. LA FAYETTE-The favourite motto

him.—He begged leave to propose the following the beams of our ships, and the beams of cur looms toast:—

^{*} In a late Agricultural excursion to the Eastern Shore of Maryland, the Editor had the happines, to make by invitation, a visit to the resi dence of Mrs. Tilghman, relict of Col. Tilghman, one of the favourite Aids of Washington; when this venerable matron of the Revolution, full of grace and affability, and rising in the respect and affection of her friends as she declines in the vale of life, shewed him the original let ter of introduction, brought by Gen. La Fayette to Col. Tilghman, from Mr. Carmichæl, then Secretary to our Commissioners in Paris, wherein he commends him to his best attention, as a young nobleman of the first family and best prospects in France.

and looms, are like the sun, which, when shorn of his beams, sheds "disastrous twilight" on a na-

By AN OFFICER OF THE SOCIETY-Col. J. H. Powel, whose excellent knowledge, like his excellent stock, is diffused through the country for the improvement of its best interests.

Like fair woman, the source of our greatest joys, if treated with tenderness and attention.

By JAMES HOWARD-Mr. Le Vasseur: " Nos. citur a sociis."

By MR LE VASSEUR-Preceded by brief and pertinent remarks, in the French language, interpreted to the company by his companion and friend, G. W. La Fayette, expressive of his thanks and gratification at the civilities which were here, and every where extended to him as the friend of Gen, La Fayette-The Maryland Farmers, who know how to use the sword as well as the plough

By H. V. Somerville-Agriculture: The favorite pursuit of Washington and La Fayette, who like Regulus of old, preferred the cultivation of their farms, to the command of armies.

By H. Schroeder-Liberty, genuine rational the heart of every man its altar.

By ISAAC MUNROE .- The Presidential flough. ing match: Let the best ploughman have the pre-

By J. S. WILLIAMS-The products of the seed which our guest assisted to sow in our Revolution, they have we'l repaid his labours,

By ROBERT RIDDLE -. Agriculture, ancient and howourable: Productive of peace, independence and plenty-its pursuits are alike innocent, useful and happy.

By D. JENIFER-The State of New York: In

land follow her example.

copious horn, poureth abundance over the land.

'76, helped our Fathers to beat and drive off the mischievous Bull, that broke into our national inclosures, to gore our people, and eat up their with pleasure, the kindness with which they were corn. Friends in need, are friends indeed.

BY THE SOCIETY-Mr. Coke of Holkham. The friend of Farmers, the friend of Americans, and the friend of mankind.

joices rather in creating, than destroying, the LADIES. comforts of life.

second to Washington in the hearts of our coun-sumption, nor many claims put in that we heard trymen; may he live to see his beloved France as of, for extraordinary success in the production of free and as happy as he now finds his children in staple crops, the display of Household Manufac America.

and able, with pen or sword, to adorn the li-excelled any thing over seen in this country; and terature, and defend the honour of his countrycalled now to plough the ocean, he cannot as here-impression of others, who had witnessed exhibitofore, award the premiums for ploughing our tions of a similar kind in all the Eastern States.

th great American "Arator"
By J. S. Skinner - General S. Van Ransellear; his neart leads and his means freely follow, in the ways of publick usefulness.

The following was offered as the parting toast by Dr GRAFTON DUVAL, of Frederick-Speed the

Plough.

The company then separated with a general serument of gratification and good wishes for the success of the society.

Early in the evening the General visited the Theatre to witness the performance of the favou nte play of General Washington, the School for Scandal, and never was play better performed All exerted themselves to please and all succeeded. Mr. Warren, in Sir Peter Teazle, was grea he improvement of its best interests.

By Mr. Chubb, of Richmond—Our mother earth he was exactly true to nature. When the point of the play was developed in the screen scene, the General with his suite, retired to meet a a large party of Ladies and of Agricultural Gentlemen who had been brought together for the occasion, at the house of the Editor of the American Farmer, and afterwards visited at the residence of R. B. MAGRUDER, Esq. the daughter and family of his old companion in revolutionary scenes-General STRICKER, the soldier of two wars, and the patriot of all times.

> Thus psssed the day ever memorable hereafter in the annals of Agriculture, as having been de dicated by American Farmers to the entertainment of the Farmer of La Grange.

It was not until an hour since, that we could take pen in hand to give even this hasty record of its incidents, and as it was necessary to transcribe liberty: May the universe become its temple, and all the volunteer toasts, allowance is solicited for its imperfections, both in substance and aetails.

tors will be given in our next-if possible.

The Editor was last week absent when the Farmer went to press, and has been this week so & Morris' F ctory, and twenty six miles from much occupied in arrangements for the Cattle Washington City; the roads being turnpiked en-Show of the Maryland Agricultural Society, for the Washington Show of the Maryland Agricultural Society, for the Western Shore, that it has been impossible Doctors Thomas, and Stockett; and Geo. Cook, Internal Improvements, may the State of Mary-the Western Shore, that it has been impossible for him to attend, strictly, to his more immediate Agriculture's friend, De Wit Clinton-at whose editorial duties. Of the Show at Easton, he has command mountains melt away, rivers turn from not had time, and he fears will not, to give, even a their accustomed channels, and plenty, from her sketch. He much regretted that the hospitality, not had time, and he rears with most the hospitality, health, beauty, and society, no situation can be sketch. He much repretted that the hospitality, health, beauty, and society, no situation can be and kind attention, which characterise that refined have desirable. The farm contains about four By W. F. REDDING-The Foreigners who, in ed portion of our State, was not enjoyed by a greater number of gentlemen from the Western Shore. Those who did go, will ever remember, made one of the best in Maryland. It can be diwelcomed, and the civilities with which they were entertained.

ment, we must in justice say, were most witnessed whole) A further description is considered un-By E. H. Cummins—The Maryland Agricul- in those departments of domestic economy which necessary, as persons wishing such an establishtural Society, patrons of the noble art; that re-fall, especially, under the superintendance of the

By G. W. WARFIELD.—General La Fayette, the domestic animals reared for labour, or con-purchaser. tures of the most useful description, and the great By G. Howard.—Commodore Porter-ready number of samples of butter, pure and beautiful, in this opinion we are justified by the concurrent We have only time to add a particular impression The memory of Col. John Taylor of Virginia, that was made on our minds by this department of the exhibition at Easton; to wit; that if the young ludies have borne a part in the superintendence of hides -Excan duary shooting Exploits. -Western Some manufacture of these elegant productions, the manufacture of these elegant productions, the manufacture Subject who knows how to value domestic industry, and ingenuity, and taste, with the fine qualities with which they are usually associated, need be at no loss where to seek and to sue for an help mat, whose good management shall cause it to be observed,-" Her husband is known in the gates, when he sitteth among the Elders of the land!!

PRICES OF COUNTRY PRODUCE.

CAREFULLY COLLECTED EVERY THURSDAY FOR THE AMERICAN FARMER.

Flour, Howard-Street, \$5 a \$5.25-do. wharf, 4.621-Wheat, red, 90 a 95-Lawler, do. 90 a 95 ents-best white, \$1 a \$1.06-Corn, white, 36 cts.-Yellow, do. 37-Rye, 371-Oats, 24-Whiskey, 27-Apple Brandy, 25-Clover Seed, white, per lb 37 cts.-Red do, per bushel, \$4-Saplin, do. \$5.75—Timothy, \$2.50—Orchard grass, \$2.50 —Herds grass, \$2—Herrings, No. 1, \$2—No. 2, \$1.75-Hay, per ton, \$10-Leather, best soie, 24 a 27 cents-Feathers, live, per lb. 32 cts.-Cotton, Louisiana, 16 a 18-Georgia, Upland, 15 a 17-Alabama, 13 a 15-New Wool, 30 a 35-Merino tull blooded, 35 a 40-3 do. 30 a 35-1 do. 25 a 28 -Common, 20 a 25 cts.—25 per cent. more when well washed on the sheep and free from tagsl'urpentine, \$2 a 225-Coal, pit foreign, 40 cts. -Virginia, pit, 20 a 25 cents-Susquehannah, do. 6 50 a \$7-Lime, bushel, 30 a 33 cents.

A Farm on Elk-Ridge,

FOR SALE.

My presence being required on my estate at West River, I will sell the Farm whereon I reside, five miles from Elucott's Mills, four miles from The reports of the committees, with their Owens', one mile from Oakland, and about nine awards, and the names of the fortunate competi-indes from Worthington's, near Elk Ridge Landing, where the Baltimore price is always given, I THE EASTERN SHORE CATTLE SHOW, fifteen miles from Baltimore, foarteen miles by Elk-Ridge Landing, and about twelve miles by a Larken Dorsey, Sannel Brown, and John W. Dorsey, Esqs. and in sight of twelve or fifteen others, hundred acres, is now in good order, and with the use only of clover and plaster, capable of being vided into eight fields, each to have water running The Dwelling is newly finished, through it. (brick and ruffcast, 52 feet by 42, with four rooms The tokens of skilful industry and of improve- below and five above, and good cellars under the every way suitable to the times, and will make While no great improvement was discernible in the payments in every respect convenient to the

JOHN C. WEEMS.

The Editors of the Federal Gazette and he American, will please to publish this in their apers for three weeks, and send their accounts John C. Weems.

CONTENTS OF THIS NUMBER.

Reports of the Massachusetts Agricultural Society, Nos. 14 and 5.—Formation of a Royal National Bath Company.
Report of the Charleston Agricultural Society.—Coice dations in Cuba .- bee various on General Iron Gailvs; to supersede the necessity of Horses in all public ve-

Printed every Fraday at \$4 per annous, for JOHN S, SKINNER Editor, by JOSEPH ROBL(50N), on the North West corner of Market and Belvidere streets, Surmone; where every description is Book and to Printing everated with neathers and is spaced by the property of the printing and in the printing processed with neathers and is spaced.

Orders from a Johance to Partial Printing of BINOING with proer direction, promptly attended to, addressed to J. Robinson, Bal-

AGRICULTURE.

[Our last number contained a brief, and general view, of the late CATTLE Shows, held by the "MARYLAND AGRICULTURAL SOCIETY", on the Eastern, and the Western shore of the State.

The present number contains the Reports and Awards of the Judges for the Western shore -The proceedings of the society on the Eastern shore would have been entitled to precedence in the order of publication, as they were precedent in the order of their occurrence; but that they did not reach us until Tuesday last, and then only in part, through the Easton Gazette. They shall be recorded as soon as possible. In the mean time, we pray the forgiveness of those who have favoured us with valuable original commucount. Besides these original communications, our file abounds with articles which we are impatient to lay before our readers, fully persuaded that they will contribute to maintain for this journal, that character for utility, which it owes exclusively to the ability of its correspondents, and selves; and an immense quantity of stones; all the partiality of its friends.

Immediately after the delivery of the premimember of the Society, presented him with a and to that character which would entitle the letter, relative to the Vaccina, or Cow-Pock— proprietor to the appellation of a good agricultuitle, sheep, and swine; all of which are kept in member of the Society, presented him with a proprietor to the appellation of a good agriculture, relative to the Vaccina, or Cow-Pock— proprietor to the appellation of a good agriculture, sheep, and swine; all of which are kept in giving a concise account of such improvements in the art of Vaccination, made in this country, as Col. Bosley, however, have effectually overcome tional expense, trifling in comparison with the the art of Vaccination made in this country, as are said to be not yet known in Europe; accompanying his letter the Doctor also presented the on an inspection, with the view of a farm com- tually raised to a high degree of improvement -General with a perfect specimen of the Vaccina, and a convenient aparatus of new construction for performing the operation for the Kine Pock; all which was most kindly received.

Dr. Smith expressed his wishes that the benefits of these improvements should be extended his native country; to further which benevolent design, the General expressed his entire willingness; returning his most cordial thanks for the through General La Fayette, to the citizens of advances made—the subject of Vaccination now gratifying the beholder with their even and sideration of the agriculturists of Maryland—and being one in which every friend to humanity was flourishing appearance, and the crops of grass your committee hope, Col. Bosley will be enabled deeply interested.

Manufactures, was not, we regret, adverted to care of Mr. Bernahrd, who has lately established a Silk Button Manufactory in this City, on the philanthropic plan described in our 35th number. These girls, the youngest of whom is only eight years of age, worked, sang, and amused themselves, not as if they were performing a labour, but as if it was a part of a Fete. The concourse assembled on the ground were delighted with them-and the Nation's Guest was greatly pleased tions. The General was presented by the little girls with a set of buttons, a watch chain and a tassel for his cane, which he received with the warmest affection, blessing the children and assuring them he would wear their present, and eight miles. that they would never be forgotten by him.]

0 REPORT OF COMMITTEE ON BEST CULTIVATED FARMS.

The undersigned committee, appointed by the Trustees of the Maryland Agricultural Society, to award the premiums offered for the best cultivated farm, report :--

That, according to a request made by Col. Ni cholas M Bosley, of Hay fields, in Baltimore was determined, therefore, to pursue a course active and judicious exertions—but a few years county, they made a visit of inspection to his farm which should ensure a future fertility—to effect lago, and many of our valuable citizens were selling VOL. 6,-37.

ceeded forthwith to make an actual and minute its future fertility. inspection of the existing condition of, and growinto the possession of its present accupant.

ments and vouchers herewith exhibited.

Your committee have ascertained from Col which a long course of bad culture had produc- used already to the amount of 21,571 bushels.every where briars and brambles presented them all those difficulties, and our eyes were greeted, importance of the object,) be speedily and effecbining the advantages of permanent improve- But these are defects, which are too common ments, judicious arrangements, and a neatness of throughout the State, and are the more remarka-culture so pleasing to the eye. Its every part in ble on a farm recommended to the attention of dicates the closest attention to that character of the Society, by so many other proofs of indeneat and economical husbandry, so highly desira- fatigable industry and sound judgment. ble in all agricultural establishments.

and grain, clean and flourishing, which so com- to succeed in this as effectually as he has done in A most curious, and pleasing exhibition, and pletely cover them. Your committee were high-the preliminary and more important objects of articularly worthy of notice in our Domestic ly gratified with that admirable system in the improving the soil. particularly worthy of notice in our Domestic management of this farm, the soul of every im all the rails on his farm, to the amount of 60,000, ral and financial interests.

fixing as its basis the principle of a liberal return the liberality of his dispensations; he had observ by working it too severely and grazing it too close

on the 13th instant; owing to the distance at this he has been careful in converting every thing which the judges reside from each other and other to manure, and instead of permitting his cattle to circumstances, two only of the judges attended graze his meadows, he has allowed the vegetable whereupon, they appointed J. M. Wise, and pro-matter to undergo a decomposition, favourable to

It is by these means, that the clover and plasing crops on the premises; and to ascertain by the ter system will be an invaluable treasure to Mabest evidence within their reach, the situation ryland, affording to those of slender means, the and capacity of the farm in question when it came advantages of an improvement at small cost; and it is the consolation of every well wisher of the For the evidence on which they ground their interests of this State, to know that the greatest report, independently of their own observations portion of its lands is highly susceptible of imand opinions, your committee refer to the docu-provement by this course. Indeed, while Col. Bosley pursued the clover and plaster system, his expense of bringing the soil to a state of produc-Bosley, and the corroborating statements of some tiveness, was such only as to prove to your comof his neighbours, that he has had the farm in mittee that it will be in the reach of almost evenications; assuring them that their favours are possession since the fall of 181t, and in cultiva-ry one. But, with a laudable ambition to bring to justly valued, and will be turned to the best ac- (tion since the spring of 1812; that the farm was a state of perfection, if possible, he adopted the then in an entirely neglected condition; that its use of that all powerful agent lime, and such has hills were broken and marked by the gullies, been his confidence in its efficacy, that he has ed; that it was almost without enclosures; that Col. Bosley, therefore, has never kept a great stock of domestic animals.

Your committee deem it their duty to notice, of which combined, indicated to the purchaser according to their judgment, a defect in the mathe great labour and difficulties he would have to nagement of Hay-fields, by a comparative neglect encounter, to bring it to a state of productiveness, of the means at once so simple, and so indispenviews now are to increase the number of his do-Your committee were also forcibly struck with mestic animals, and yet more to improve their

Your committee discovered in the flourishing in our last. It was the four little girls under the provement, under which time is taken "by the appearance and excellent condition of a young orforelock," and provision is made for all work, and chard, the disposition on the part of the propriesuitable work provided for all seasons; a system tor of this estate, to cultivate that valuable and which turns to advantage the very obstacles which indispensable appendage to a well cultivated originally threw such difficulties in the way of im- tarm. There is no class of men who can, with so provement; the ravines which have been closed; much reason, be considered independent as the the fences which are built on such permanent American farmers; and it should be their duty, foundations, and the fine roads through his farm; therefore, as it certainly will be their pleasure. to all which the stone which had hitherto obstruct to bring within their reach, not only the substaned the plough, have been made to contribute, justi- tial necessaries of life, but also their comforts,at a view, which spoke the manner of Mr. B's. Bosley's untiring exertions to have his farm comment of the culture of all the best kinds of fruit, pletely enclosed, and to shew how great was the and especially such as will afford the means of sublabor necessary to effect that purpose, it may be sticuting fermented for ardent liquors, will be proper here to remark, that he had to haul nearly highly useful at once to the promntion of our mo-

> Your committee were presented by Col. Bosley Your committee were also much pleased with with an account of sales of the products of his Col. Bosley's views of agricultural improvement, farm in the year 1816, amounting to \$6,502 27-\$2,378 4 of which was the amount of hay sold; and to the soil, which reason and experience, as well though your committee well remember, the very as late writers, have so highly approved. Instead favorable prices which contributed to make this of taking every thing from, it has been his object large receipt, yet an inspection of the quantity to offer it every inducement for its gratitude, by sold, indicated how greatly the soil had been improved in the course of four years; an improveed, that the usual practice of exhausting the soil, ment made in that short time, on a farm so miserably situated, as it was when he undertook its ly, had been indeed lamentably destructive; he cultivation, is proof how much may be done by

important improvements which will call into life his management, and the present high condition been no applicants. its abundant resources. And your committee be- of his once impoverished and unproductive estate lieve, that the judicious measure adopted by the Trustees, in offering premiums for the best cultivated farms, will be the means of exciting that! noble rivalship which will rescue many farms of a Silver Cream-pot, for the best 20 acres of from a barren condition, and their owners from Timothy hay, to James C. Gittings, of Baltimore ruin. Your committee cannot refrain from the County, for a field of 20 acres of Timothy, which expression and the satisfaction they feel, in com- produced three tons and 12 Cwt. to the acre. mon, they are sure, with their fellow citizens, in the they discover every day some new and encouraging inducement to attend to its cultivation.

Your committee regret very much, that there 15 barrels to the acre. should have been no competition for the premium are warranted in saying, that there are many farms which would do great credit to their pro- acre. prietors, and the details of whose agricultural having been the first in Maryland, owing, as they suppose, to the novelty of the proposition, to chal the comparative merits of the five hogsheads beand its results. Finally, they award to Col. Bosley average sales per 100, and nett proceeds. the premium of a Silver Tankard, value of \$50, due to his great industry, and his good example of economy and sound judgment in the management of his estate-evidenced alike, by its appearance

and its products.

CALEB BOSLEY, JOHN RIDGELY, JNO. M. WISE.

\$30, for the best cultivated farm not under fifty acres.

premium offered by the Society, as well in amount potatoes, besides those that were not suitable for as in reference to the object; great caution, there-inarket, and used in feeding pigs; it being the pro-sitive violation of the regulations of the society. fore, should, as in this case, always be used in its bestowment, and it should never be the reward of equivocal or common merit. For this object, the of parsnips, not less than 300 bushels per acre, is judges should reside near to each other, in a cen and they should be men of sound judgment, great bushels, the produce of a piece of ground 27 udapted to the saddle," a Silver Can valued at 15 practical experience, with a habit and a love of yards by 146 in extent, rather less than an acre dollars, for his horse Friendship. and the prudence to award the prize to him who makes the safest and most profitable application of his labour and capital, rather than to him who may make, great crops and splendid improve- it should be conferred on Leby Marca Deep 19 as required by the terms attached to the premium.

For the second best Stallion, do. do. a Goblet, valued at \$10, to Capt. Jacob Hollingsworth, of Anne Arundel county, for his gray horse Grand Bashaw.

hublickly announced, and all who propose to con tend for the premium, should be required to give best crop of 5 acres Ruta Baga, to the notice by the first day of February, to the Corthan 300 bushels to the acre, is awarded to Robt. For the best Stallion, slow draft, a Can valued responding Secretary, who should issue notice to Oliver, of Baltimore County, for an average crop at \$15, to Mr. Samuel Pottingell, of Frederick county, for Young Lyon. most convenient and proper time during the next

ON CROPS.

The Committee on Crops award the premium

The premium of a Silver Goblet for the best

as appears by the subjoined statement shewing

pe 100. \$31,80. lbs. Mr. B's 5 hogsheads . \$1257,20 3966. Mr. D's 5 hogsheads . 30,75. 11.4,45 3655. Difference in favour of B 313. 132,75.

duce of 6 acres 1 rood and 25 perches.

The premium of a Silver Can for the best acre recommended to be conferred on John Mercer,

it should be conferred on John Mercer, Esq. for a For the best Stallion, quick draft, a Can valued crop of 675 bushels, the produce of a piece of at \$15, to Gen. C. Ridgely, of H. for Oscar. may make, great crops and splendid improve- it should be conferred on John Mercer, Esq. for a ments, by—yet greater expenditures. | crop of 675 bushels, the produce of a piece of The names of the judges should be early and land 28 yards by 140 in extent,— ess than an acre.

tend for the premium, should be required to give best crop of 5 acres Ruta Baga, to be not less rick county, for Fox Hunter. The Committee draws the attention of the So-

summer and fall, for making their tour of inspec- cicty to a crop of corn of Dr. Moore Falls; the blet valued at \$10, to Mr. Barthelow, of Fredetion-and can also arrange their queries and their average of a nine acre field was eleven barrels rick county, for Absolam.

their estates in Maryland, to go in quest of lands plan for developing the information that may be per acre of unshelled corn; of shelled, sixty and which would more amply remunerate their labors necessary to arrive at a just and satisfactory re-the improvements on this farm, and on many oth-sult; and the facts and information thus obtained tivated by Mr. Jacob Councilman, of Baltimore ers in this State, establish the pleasing truth, that by them, should always be published in the American County, on 113 square perches of land, the proceeding industry, well directed, will secure from can Farmer for the good of the public. To recaduce of which was two hundred and fifty bushels, a soil, naturally kind and susceptible of improve-pitulate—the judges should be few, contiguous to which is at the vatio of 316 bushels per acre;—alment, that reward which will amply satisfy the each other, and men of sound judgment, who though these crops are considered highly meritocultivator. Possessing a climate so mild and ge- will promise to perform the work. Although the rious and worthy of being submitted to your attennerally favorable to health, containing in its bo- award of the premium to Col. Bosley casts no resom a commercial city, which is already the flection on other Maryland farmers, there being authorize the recommending of a discretionary great mart of trade; our State will, in a few years, no competition, we believe that it gave very get premium.—For the several other premiums plabe noted by the enterprise of its citizens, for those neral satisfaction, from the known excellence of ced at the disposal of the Committee there has

Signed, JOHN B. MORRIS, JAMES KENT, FRANCIS M. HALL. DAVID MURRAY.

Tr Note on Crops.

Here again, we may take occasion to make some general remarks suggested by this report, and which are applicable to every department of flattering prospects which are appearing in their 10 acres of Indian Corn, it is recommended our exhibition, to wit :- The impropriety of comnative State, through the exertions of her own should be conferred on Robt. A. Carnun, Esq. of mittees departing from the instruction given by sons. No longer will they have to desert their Baltimore County, (although the quantity does the board of trustees; for example—the trustees native spot, with all its strong associations, when not come within the terms attached to the pre- after mature discussion adjust and settle the scale mium) for a field of 7 acres 1 rood and 39 perch- of premiums; they decide that it would be a es, which produced 111 barrels, rather more than misapplication of the funds of the society to give the premium to a crop of corn made on less than The premium of a Silver Soup Ladle, for the ten acres. In fact they wish to give all their prein question; as, from their personal knowledge of best 10 acres of Timothy hay, is awarded to minims to bona fide farmers. If they be offered the state of agriculture in several counties, they are warranted in saying, that there are many which produced five tons of Timothy hay to the bourhood of cities, convenient to livery stables, gardeners, &c. might take all our premiums .-The premium of a pair of Silver Goblets for thowever, no argument is necessary to prove that plans, would no doubt be highly useful to the in- the best croft of Tobacco, not less than five hogs. a committee is bound by the instructions of the terests of agriculture in general. In conclusion, heads, is awarded to Mr Michael Barthelow, of body from whom they derive their powers, yet in your committee beg leave to state, that they con- Frederick County-who was closely pressed by this case a premium was given to Mr. Carnan for sider Col. Bosley as entitled to much credit, for Thomas B. Dorsey, Esq. of Anne Arundel County, 15 barrels the acre on 8 acres of com, when the trustees had decided that none should be given for any crop on less than ten acres-we do not lenge investigation of his course of cultivation longing to each, comprehending the nett weight, mean to urge any objection to the merits of the case in other respects-we dare say it is one of the nett wt, average nett proceeds, least exceptionable departures that could have been taken from the rule prescribed-but it was a departure and therefore not justified, for if the committee were at liberty to give a premium for any less than ten, they might have given one to a The Committee recommend that a premium of crop on one acre, and this would lead to a scrama Silver Can be conferred on Thomas B. Dor- ble among gardeners and owners of town lots, and sey, Esq. for the second best croft of Tobacco, the livery stables, instead of promoting genuine com-No candidate offered for the second premium of particular merits of which have jest been stated. Petitions amongst those who live by farming.—

The premium of a Silver Butter Boat, for the How is this to be obviated? By having a trustee best 5 acres of corn and potatoes is awarded to David Williamson, Jun. Esq. for a crop of 301

This may be considered the most important bushels and 31 quarts of corn, and 371 bushels of each potatog. The morning of the third day, to be by then examinate morning of the third day, to be by then examinate morning of the third day, to be by them examinate morning of the third day, to be by them examinated and and received by the Society as well in examinated and a subject of and position.

ON HORSES.

The committee on Horses award-

To Col. Thomas Hood, of Anne Arundel countral position, consisting of not more than three, Esq. of Anne Arundel County, for a crop of 631 ty, for the "best Stallion over three years of age,

and 28 yards by 140 in extent,— ess than an acre. For the second best Stallion, quick draft, a Go-The premium of a Silver Soup Ladle, for the blet valued at \$10, to Thomas Haines, of Frede-

For the second vest & allion, slow draft, a Go-

A number of other remarkably fine horses were worthy the notice of this committee, had they for which no premium had been offered, the committee can therefore only recommend them to the attention of the breeders of fine horses. Mr. Jas. Hood's Young Friendship, calculated to improve the breed of saddle horses, being of fine size and very handsome; Mr. Lewis' colt, by Exile, and Mr. Joseph L. Smith's colt, by the same horse, calculated for the general use of the country, for carriage and gig; and Mr. Richardson's colt Young Corn Planter, powerful and active, calculated for slow draft. Dr. Grafton Duvall exhibited a very fine blood colt; and several other gentlemen, horses that did them great credit.
CHAS. STERETT RIDGELY,

JAMES HOOD, of Jno. JACOB G. DAVIES.

IF Note on the Report on Horses.

We may take this case, as applicable to all the rest, to make some remarks on the appointment of judges. The difficulty consists, not in finding her progeny? The excellence of a brood mare, gentlemen who have all the talents and all the judgment necessary to inspire full confidence in their awards-it consists in getting such men to assemble punctually on the ground where the work is to be done.—Hence the practice of ap pointing, in each case, a much greater number than are necessary, in order to make sure of at red to the Trustees, that this difficulty might without premium. be obviated by the appointment of persons in and near the city, every way qualified for the task; but they have been aware how apt such a course ence; and hence they have chosen rather to run garded, as it is in fact, an association for the benefit of the agriculture of the whole state. To illustrate our meaning in this case, the Trustees selected, as judges of horses, and gave notice to them some months back, in writing, Nathan Luffborough, Esq. of the District of Columbia, Col. J. Tayloe, ditto. C. S. Ridgely, James Hood, Frisby Tilghman, and J. G. Davies—all of them known in the State, to have owned, to have an eye for, and to be fond of good horses; of these, Joseph N. Gordon, of Kent county, E. S. (Md.) three only attended, and in some instances, out of eight or ten appointed, not more than one attended .- This explanation is made to vindicate both the rule of appointment, and the number ap pointed.

ON BROOD MARES.

following report, viz .-

1. Samuel H. Ridgley for his sorrel mare Virginia, is entitled to the premium offered for the best brood mare for the saddle.

2. To Henry Thompson they award the pre-

the saddle, for his sorrel mare Mary.

Blossom, by Top Gallant, and now in foal, the premium offered for the best brood mare, for quick draft.

4. For this premium the committee is under the impression, that there was no mare offered deserving of premium, that came within the rules

and regulations of the Society.

5. John Ensor, for his bay mare (without name) and now in foal, is entitled to the first premium for the best brood mare for slow draft.

6. For this premium we award nothing, as it stands precisely in the same way as No. 4.

There were however several other marcs well in Maryland, was exhibited.

exhibited, particularly several two year old colts, not been excluded by certain regulations adopted ever seen in any country, and stood him near Balby the Society, viz.—A bay mare belonging to timore, and he did not cover one dozen mares.—Mr. Howard, also a bay mare belonging to Mr He sold him to North-Carolina the next year for Fulton of Frederick, and a bay mare belonging to 500 dollars, and in one season he "cleared him-Mr. Williamson,-Given under our hands this self." 24th Nov. 1824.

SAMUEL C. OWINGS. THOMAS HOOD.
JOSEPH T. MITCHELL.

To Note on Brood Mares.

A singular question arose in the committee, appointed on Brood Mares -- no other than this; whether a mare might be considered entitled to the premium, as a brood mare, that never had bred-It struck us, upon being appealed to, that there a brood mare, as between a salt box, and a box of salt-but as the point has been raised, and warmly contested, we suggest whether it may not be well for the Trustees hereafter, to require that the mare be exhibited, with one or more of depends on, whether she is a sure breeder; a breeder of good colts-and a good sucklerupon keep not too expensive.

We should think it would be expedient hereafter, to offer premiums for the best colles, over a certain age, always having regard to the most judicious method of keeping them. At this Show,

ON ASSES AND MULES.

The committee appointed for the examination would be to subject their proceedings to the charge of Asses and Mules, regret, that not withstanding and the appearance of local partiality and influent the very liberal premiums offered for the best anithe very liberal premiums offered for the best animals of this description, there was no competithe risk of not getting a sufficient number to attion for the honors intended to be bestowed. The tend, than not to diffuse those appointments committee have always entertained a high opinion committee have always entertained a high opinion throughout the State—for they wish it to be re- of the utility and great importance of Mules to the farming interest of Maryland; the character of this truly valuable animal seems particularly adapted to our climate and usage; and the experiments made on their value and importance to agriculture, by the most judicious and experienced farmers, support their reputation for strength, economical keeping, and hardy longevity.

The only Ass entered for premium, is a Maltese Jack, named Knight of Malta, owned by Dr. This animal is represented by satisfactory certificates to be one of the most sure foal getters in the State, while his colts have the character of being generally well made, strong and docile.

The committee, therefore, recommend the which was the only one offered to the examination Knight of Malta, as worthy the premium of a of the committee. Silver Tumbler, of the value of 10 dollars. And The committee on Brood Mares make the although no Mules were entered for premium, the committee were highly gratified in noticing several very fine ones belonging to Wm. Patterson, thirty days, as required. Esq. to which premiums were awarded last year; and they confidently indulge the hope, that the breeding of these animals is extensively increasmium offered for the second hest brood mare for ing in the State, and that at the next exhibition the Society will be enabled to bestow on the for-3. To Gen R. G. Harper, for his bay mare tunate claimants, the premiums so liberally designed for distribution.

JAMES SWAN GEO. W. THOMAS, GEO. HOWARD,

IF Note on the Report on Asses and Mules. Were we required to select a proof of the obstinacy and the improvidence of Maryland farmers, without the least hesitation, we should say, it is to be found in their failing to encourage and extend the use of Mules and Oxen. Here, for example, handsome premiums were offered for the best Jack and best Mules, and not one, bred

The Editor once owned one of the finest Jacks

For the Jack shewn now, equal to any in America, a gentleman offered \$300-yet who in Maryland ever raises a large jack for sale, though it would not cost \$50? Com. Jones has brought a very large Jack and Jennet from the Mediteranean, and has offered them for sale-he has. probably, not had a single offer, although every young one raised to good size, would, in the South, probably bring from 3 to \$500. What practical farmer in Maryland, ever was known to sell, vowas about as much difference between a mare, and Inntarily, a pair of large mules? Yet how few farmers in Maryland will raise them, although every such pair, is worth at least two pair of horses!-What blindness! What infatuation!

ON CATTLE.

The committee appointed on neat cattle, report :--

That the premium for the best bull over two years, of country or mixed breed, is awarded to Mr. Jacob Hollingsworth, of Woodly, Anne Arundel County, for his bull Boston. He is by Denton, a thorough bred, improved short horn bull from a cow of Devon blood:-That no bull was offered for the second premium.

That no thorough bred bull of the improved

short horned breed was offered to the examination of the committee, none of the Alderny breed, and that no bull worthy of distinction was offered.

of the Bakewell breed.

That of the Devon breed, there were several bulls of the required age, and that the premium

is awarded to Mr. George Cooke.

The premium for the best bull of any breed between one and two years, is awarded to Mr. Charles Jessop, for a bull of mixed short horn breed, and the premium for the second best, to Mr. David Williamson, Jun. for a bull of the short horned breed.

The premium for the best heifer is awarded to Mr. Henry Thompson, for his red and white heif-

er Fanny, by a Devon bull out of his dun prize cow. The premium for the second best to Mr. George Cooke.

The premium for the best heifer under one year of age, is awarded to Mr. Henry Thompson, for his calf Sally, 5 months, full sister to Eliza, by a Devon bull out of an imported Devon cow,

For milch cows no premium is awarded, because there were no certificates of milking, of the quantity of butter produced and of the keep for

JNO. PATTERSON, Chairman, JNO. H. POWEL, JNO. S. SMITH, CLOTWORTHY BIRNIE, CHRISTOPHER CARNAN.

ON OXEN.

The committee on working Oxen, after a careful examination of several fine yokes offered for premium, are united in the following report-

That Thomas P. Stabler, of Montgomery county, is entitled to the "Maryland Agricultural Society's" premium, for his well broke young oxen. of a silver can value of \$15

THOMAS KELSO. ROBERT SINCLAIR, HENRY CARROLL, DANIEL KENT. PHILIP LITTIG

ON SWINE.

The committee appointed to judge of Swine, award-

For the best Boar, over one year of age, a Soup-Tadle, valued at \$10, to Charles W. Dorsey, for his Boar, about three years old, of mixed Parkinson and Genessee breed. This hog seems to combine superior form and constitutional hardiness, with the highest susceptibility to fatten at all

ages, and little propensity to mischief.
For the best Pig, under one year of age, a Gravy-spoon, valued at \$5, to John Sullivan, for his Pig, aged seven months, from a Peruvian Sow, and got by a Cobbett or Byefield boar, not known which. This pig combines the qualities of form and beauty, with sufficiency of size and aptitude

for fatness for the use of the farmer.

For the best Breeding Sow, over onc year, offspring to be shown, a Soup-ladle, valued at \$10, to F. D. McHenry, for his Sow, now carrying eleven pigs out of a litter of thirteen, of uniform size and value.

For the best Sow Pig, under one year of age, a pair of Sauce ladles, valued at \$5, to John C. Moale, for his Sow Pig, of ten months old.

Remarks:-The committee feel very great pleasure in assuring the Scciety, that the exhibition of Swine greatly exceed their most sanguine expectation, when they recollect that at the last Annual Cattle Show, there were scarcely as many hogs offered for competition as there were premiums assigned; they cannot but congratulate the Society in particular, as well as the State at large, on the beneficial effects which have resulted from our system for the promotion of agriculture and rural economy.

The exhibition for this year is highly creditable. For, in addition to what has been particularized as worthy of premium, there were other stock of little less value and consideration. In making their several comparisons, the committee are conscious of their liability to misjudge, and feel the utmost diffidence in the correctness of their decisions. They are free to confess that many difficulties presented themselves in several instances in forming their judgments. A white boar, entered within the rules, by Mr. N. Hoskins, of the "Pennsylvania breed," 17 months old, the committee found to be a very fine animal, and well worthy of consideration; as was also a boar of Mr. D. Williamson, jr., and another of Mr. Underwood's; Mr. Stabler, of Montgomery, also showed some fine swine.

Mr. Underwood's pig, of the boar kind, is very worthy of notice. If not successfully competing with Mr. Sullivan's, he is but little inferior.

Judge Dorsey's sow, of fourteen months, is remarkably fine, and the committee only denied an by Mr. Skinner, attracted the notice of the com- have exceeded in variety and usefulness their award in her favour because she was not within mittee. They are a species with which they most anxious expectations. It is confidently bethe rule, which requires that "offspring should were not familiar. They have, however, been in lieved that no display of family manufactures in be shown." Mr Underwood's sow appeared also formed that this stock crossed on the Merino, the United States has ever surpassed that of the to great advantage, accompanied as she was by a has been greatly approved of, and much sought present exhibition, on which it becomes the pleaslarge, as well as numerous family. Mr. Williamson's sow and pigs, also attracted much attention, mittee found no competitors for the 5th premium, committee are much gratified with this opportuas giving evidence of being an excellent stock .-Mr. Clap showed a fine sow, of the Byefield, washed wool, to be not less th Bakewell, and Duke of Bedford breed; but inas-um of 50 cents for each pound. much as this animal was the native of another State, the committee did not consider her within their pale of adjudication.

The boar and sow shown by Mr. Skinner, attracted attention from the novelty of their appearance, and may be well calculated for a warm

the pure English blood.

HUGH ELY, ROBERT RIDDLE CHARLES W. DORSEY.

ON SHEEP.

The committee on Sheep report,-

old, they award to Samuel Brown, Jr. of Elk them, and has since actually made a sale of them Ridge, Anne Arundel County, the premium of to a gentleman residing in the State of Maryland one pair salts valued at \$10.

year, they award to Joseph L. Smith of Frede-they take it upon themselves to award to him a rick County, the premium of one pair Salts va- premium cup, valued at \$10. lued at \$10.

3d. For the best pair of Merino Ewes, they award to Doctor Richard G. Stocket, of Elk Ridge, Anne Arundel County, the premium of one pair of Salts valued at \$10.

4th. For the best pair of Ewes of any other breed, they award to Robert Sinclair, of Balti-more, the premium of one pair of Salts, valued

That, for the premium offered for the heaviest

at \$10

In their examination of the Merino Rams for the first premium, the committee were confined to but few in number. They were, however, the premium of a Goblet, valued at \$10, (and much gratified to find in those excellent forms which was designed for fat wethers) to Joseph

conceived the Friesland Ram of Mr. Smith, Underwood. from weight of carcass and fleece to be fairly entitled to it, over the other competitors. It acknowledge, and commend the zeal, which has would, however, be doing great injustice not to prompted Mr. Gales to contribute something on speak of the merits of some of the others. A every occasion, and at no inconsiderable expense, ram and ewe lamb exhibited by Mr. P. Chew, to the exhibitions of this Society, from a distance of Prince Georges County, and a ram lamb exhibited by Daniel Kent, Esq of Calvert County.

Bakewell and Merino blood gave strong proof of look more exclusively to the soil for their livelities of the gross programment in the value of the gross programment in the proof of the gross proof of the gross programment in the proof of the gross proof of the gro the value of the cross, preserving therein the hood, and reside much nearer to the scene of exfine form, and improving very perceptibly the aibition. fleece of the Bakewell. But no premium for The I laimbs was at the disposal of the committee. of uncommonly fine form, with extraordinary ap-The Bakewell Ram from Hampton was well deserving of notice.

this premium presented the strongest evidences Cecil county, both presented to Mr. Gales by the of their purity. The pair, however, that carried the premium, had the advantage over those old, these two hogs, kept on skimmed milk and exhibited by Mr. Patterson and Mr. Swartze, the offal of the kitchen, are believed to weigh on the score of size and fleece-but Mr. Patter. seven hundred pounds. And in every point, prove sons, it is proper to state, were unshorn lambs how much may be done by judicious mixtures of

of last winter. The committee had a second opportunity of testing the mixed Bakewell and Merino, by the exhibition of a pair of Ewes by Robert Sinclair, of Baltimore, to whom they awarded the 4th premium. The ewes, however, exhibited by Mr. Smith, of Frederick, merited and obtained the particular notice of the committee.

wool was exhibited by Mr. Patterson.

GRAFTON DUVALL, Chairman, ed and owned out of this state, debarred them the Teakle was deemed most deserving their special privilege of conferring a premium upon them, notice. This carpet is a handsome well executed which they were highly deserving of. It having, imitation of the Venetian pattern, consisting enhowever, since been made known to the committirely of wool, 39 inches wide and remarkably

tee (a fact not known to them at the time of assigning the premiums) that Mr. Barney brought 1st. For the best Merino Ram over one year them to this state for the purpose of disposing of -and the rules of the Society, under those cir-2d. For the best of any other breed over one comstances, admitting such stock for premiums;

J. S. WILLIAMS, S. W. SMITH, REUBEN M. DORSEY.

ON FAT STOCK.

The committee appointed to award the Pre-

bullock, and for the best lot of fat wethers, not less than six in number, no claimants appeared. They, therefore, award for the two fattest hogs and qualities—the premium Ram exhibiting a Gales, jr. Esq. of the District of Columbia; and the premium of one pair of Sauce-ladles, for the In their award for the second premium they fat hogs, exhibited as the property of Mr. A.

Your committee cannot omit this occasion to

The hogs sent by Mr. Gales, in this case, are a cross between the black Cobbett sow and a boar The competition for the 3d premium was also of the large white English breed, which has been very limited. The Merino Ewes that offered for tostered and preserved by B. F. Machall, Esq. of Editor of the American Farmer. At 11 months different bloods. All which is submitted.

JOHN KELSO, THOMAS CURTAIN, JOHN RUSK,

ON DOMESTIC MANUFACTURES.

The committee appointed to inspect and report on Domestic Manufactures were extremely The Tunisian broad tail Ram and Ewes, im-gratified with the beautiful and extensive exhiported by Capt. Jones, U. S. Navy, and exhibited bition of family industry and ingenuity, which after in the Philadelphia Market. The com-ling duty of the committee to report; and the viz: For the best fleece of one year's growth, nity of congratulating the Society on the continuwashed wool, to be not less than 8lbs. a premi-ed advancement of this department of their common profession, so admirably calculated to furnish A parcel of very handsome unwashed Merino the farmer with independent comfort and luxury.

STAIR CARPETING .- The first articles which It now becomes the duty of the committee, and attracted the notice of the committee were seveone which they perform with great pleasure, to ral pieces of stair carpeting remarkably well speak of the beautiful specimen of the Bakewell woven, and tastily ornamented with judicious class of sheep exhibited by that enterprising and figures, and well dyed colours. All these speciclimate. Perhaps a cross might better fit them successful grazier, Mr. Barney, of Delaware, in mens of domestic industry and economy were enfor this meridian. They are understood to be a buck, a weather and four ewes—and they re-littled to very great praise from the committee. a buck, a weather and four ewes—and they re-gretted that the circumstance of their being rais but the piece manufactured by Mrs. Lucretia

mittee therefore feel much pleasure in awarding of a staple article to our exhibition. to Mrs. Lucretia Teakle, for this specimen of her

of inspection to determine on their relative merits. muity of these ladies, and although the committee have awarded the beautiful pattern exhibited by well and permanently manufactured of wool, a submitted to the notice of the Society.

FLANNEL .- A piece of domestic flannel manufactured of merino wool and cotton appeared to merit attention, and although no competition was made for the premium designed for this item of domestic ntility, yet the committee have awarded to Mrs. Kennard, for the sample sent by her, and which has been considered worthy of approbation, the premium of a Silver Tumbler valued at \$10.

CLOTH .- The next article which attracted the notice of the committee was a piece of drab cloth promotion of this description of manufacture.

Table Damask.—Several very beautiful proposed with the promotion of this description of manufacture. inches wide, of a handsome shade, stout and well This specimen of domestic indusmanufactured. try deserves the approbation of the committee, and although the only piece of cloth offered, it is considered worthy the premium of a Silver Can valued at \$15.

KERSEY .- A piece of kersey was exhibited by Mr. Stapler of very excellent quality, and the committee regret that although the Society have offered the most liberal testimonies of its esteem for family manufactures of this description, yet brother farmers the utility of bestowing more atmium designated for domestic kersey, to wit :a Butter Ladle of the value of \$5.

his flock, of the precise fashion and texture of a in sufficient preservation to furnish the requisite arrived in the United States. means of an exact imitation, in which Mr. Pat economy and countort; and although the Society have never contemplated a premium for this class of manufactures, the committee would particularly recommend the propriety of bestowing a disoretionary henor on Mr. Patterson as a mark of its regard for the unparalleled perfection to which, flax most ingeniously prepared from the roughest formed of the objects of our association, as mani-process of this skilful preparation did not accompa-

COTTON AND WOOLEN COUNTERPANES .- Setaste and industry, a Silver Fundher valued at \$10. veral varieties of cotton and wool counterpanes the committee, and they would respectfully invite HEARTH RUGS .- Four different patterns of attracted the notice of the committee, and also the attention of the Society to the probable adhearth rugs were exhibited, all of handsome well many patterns of counterpanes of cotton entire vantages which might result from the immediate designed figures, brilliant colors, and so well and —Mrs. Mary Weillings' La Fayette counterpane encouragement of this ingenious preparation. tastefully manufactured, as to require much nicety of cotton and wool is deserving the approbation of the committee, and also Mr. Kelso's counter-Those politely sent by Mrs. Michel Maynard, pane of the same materials. Mrs. Maynard, Mrs. Eliza Lindenberger, were submitted, both of Mrs. Eliza C. Skinner and Miss Martha L. Rear-J. T. Mitchel and Mrs. Waggerman exhibited which were elegantly and ingeniously executed, don have done much honor to the taste and inge- counterpanes of cotton entire, and the committee would suggest to the Society the expediency of those ladies. Also several specimens of lace patronizing this useful fabric of domestic comfort were exhibited by Mrs. Stone, and —, all of and neatness, no premium having heretofore been which were highly admired by the ladies who Mrs. Ann Denny, 61 feet long and a yard wide, and neatness, no premium having heretofore been offered for their encouragement. The one exhi-Silver Ladle valued at \$5, yet they feel it their bited by Mrs. Saltonstal was extremely heautiful, premium having been contemplated by the Socieduty to confer much praise on all the patterns and she is considered as entitled to the thanks of ty for such specimens of ornamental industry. the Society for the opportunity she, with other the committee were prevented from bestowing ladies, has afforded of exciting emulation by the that testimony of their admiration. display of such specimens of ingenious and tasteful industry.

DIAPER.-Mrs. Saltonstall, Mrs. Waggerman, several handsome varieties of linen diaper well show clearly to what perfection this branch of which gave much pleasure to the committee. The specimen exhibited by Mrs. Waggerman appeared most worthy of the premium designed for the cil, altho' it was manifestly deficient in whiteness.

TABLE DAMASK .- Several very beautiful patspicuous and pleasing figures, admirably bleached straw, and vand woven—The committee were much gratified and beauty. in noticing the samples offered by Mrs. Col. Hood, Mrs. Governor Stevens, Mrs. Daniel Marlin, and Mrs. Mary H. Moore, and have seldom seen such articles of domestic industry more tastefully manufactured. The specimens exhibited by Mrs. housekeeping, a committee of ladies with much Governor Stephens were deemed most worthy the kindness, consented to relieve them of this part honors of the Society, and for them they award of their duty; and after much examination and the premium of a Gravy Spoon valued at \$8.

STOCKINGS.—Several handsome pairs of stock no competition was made at the present exhibings, knit of yarn, thread and cotton were offered by Mr. J. S. Skinner, was award tion. The committee would recommend to their by Mrs. E. Copper, Mrs. Charlotte Harris, and to Mrs. Sarah H. Hammond. ings, knit of yarn, thread and cotton were offered by Mr. J. S. Skinner, was awarded by the ladies Mrs. Henry Weilling, to each of whom the comtention on this branch of good husbandry, which mittee would recommend the premium designed if successfully or judiciously pursued, furnishes for these articles—consisting in each case of Tea exhibited by —————— of the Thistle Factothe farmer with much comfort at a very small expense.—The committee are gratified with this opportunity of awarding to Mr. Stapler the pre Weilling, in conjunction, for wool, and to Mrs. E. Weilling, in conjunction, for wool, and to Mrs. E. N. R. for cotton.

BLANKETS .- A pair of blankets were sent for Whitworth exhibited some very tasty and well from Miss Simmonds, with a polite request that exhibition by Gen. Mason, manufactured from manufactured patterns of domestic cotton of good they would present them to the Farmer of La merino wool, stout and of most excellent texture. figure and in excellent imitation of Ginghams, Grange-the friend of universal liberty. The These blankets are 3 yards long by 21 yards wide; and Mr. Colt, of Patterson, New Jersey, offered committee have returned their thanks, in the

-SPUN COTTON.—A very rare specimen of cotpair of blankets made at the celebrated manufaction, No. 72, spun of short staple at the Thistle t ory of Spanish wool blankets of Granier and tils Factory, was exhibited by Mr. Orr. The samat Montpelier, in France, brought from thence ple did great credit to the infant establishment, more than thirty years ago, by J. Mason, and al- over which that gentleman presides, and shews

PATENT LINT .- Mrs. Frances Jones offered terson has perfectly succeeded. The committee a sample of Surgeon's lint, which professional men have never seen any thing, either foreign or do have very highly recommended, and it appeared mestic, comparable to this specimen of family to the committee to be worthy of much praise as an article highly useful in the family of every farmer.-If any premium had been offered for awarding it to her.

BROKEN FLAX.-Several specimens of broken he has brought this particular art, and they are state to the finest condition for spinning, were of opinion that Gen. Mason deserves the thanks offered to the notice of the committee, and it is of the Society for the just appreciation he has much to be regretted that the mode, detailing the

well granufactured in every respect. The com-fested by his sending this excellent manufacture by the samples. The poculiar facilities which this preparation would afford when extensively adapted to manufactures, should merit the attention of

Ladies' Veils.—Two veils, very beautifully worked by Mrs. H. V Somerville and Miss Ann and did infinite honor to the taste and industry of honored the Society with their presence—but no

STRAW BONNETS .- Two samples of straw bonnets were offered, viz:-the one in imitation of Leghorn, the other of common straw-each of Mrs. J. T. Mitchel and Mrs. Col. Hood offered these articles were handsome of its kind, and calculated for family use, the examination of manufacture may be carried in Maryland. The committee have awarded the premium to the Leghorn sample, exhibited by Miss Mashit of Cœ-

STRAW BASKETS.—Some very handsome work-manship of Baskets and Mats were offered by terns of table damask were exhibited, of large, con Mrs. Campbell, all constructed of variegated straw, and were much admired for their neatness

> SOAP .- Many excellent samples of hard soap were exhibited, but the committee not feeling themselves competent to decide on the comparative merits of this truly valuable staple to good deliberate conference, the volunteer premiam of elegant scissors with silver hook and chain, offered

> HEADLE .- A very ingenious invention used in weaving, and called Headle, made of wire was ry, and from well authenticated statements appeared highly worthy of public patronage.

GLOVES .- A pair of Leather Gloves very delicately made, on which was stamped the name DOMESTIC COTTON AND SAIL CLOTH .- Mr. of La Favette were handed to the committee they were made by Mr. Edgar Patterson, at his several pieces of sail cloth which bore the minut-blanket manufactory, on the Potomack, near est inspection of the committee, and do great Georgetown, for J. Mason, and of wool from honor to the Factory producing them. derick County, were also presented through Clotworthy Birnie, Esq. to General LA FAYETTE.

The committee feel it necessary to state that from the manner in which the articles of Domestic manufacture were presented for examinathough in almost constant use since that time, yet the great perfection to which this department has tion it was found impossible to bestow that minute and careful attention to each article which this very interesting branch of family econon.y really merits. They therefore recommend that in future, measures be adopted by the Society by which each article intended for exhibition shall be lodged with the Society at least ten days before the Cattle Show, in order that they may be this object they would have had much pleasure in numbered and arranged without showing the names of the manufacturers; which should not be known until after the premium be awarded. HENRY V. SOMERVILLE,

D. JENIFER, RICHARD FRISBY, THOMAS ELLICOTT. TOBIAS E. STANSBURY. IF Note on Household Manufactures.

instrumental in offering a large portion of the according to the instructions of the Society, did funds of the Society for improvement in family equalled the most sanguine calculation. Would ple, designated by them as No. 2, was injured by it not be well at an early meeting of the Trus- transportation. tees, to appoint a committee to frame a scale of way; and make the rule imperative, that the ing some excellent specimens of that manufacarticle shall be left with the Corresponding Se- ture. cretary, at least one week, before the show; and let the committee arrange and examine them son, and Mrs. S. P. Walker, submitted some boton the first day of the Show; and the ladies at- tles of Currant Wine of their own manufacture; tend to inspect them on the next. In fact, we which, though varying considerably in their qualiare sure it would be an improvement in this case, ty and flavour, were all excellent; -and whilst if ladies could be prevailed upon to award the preminms, as they are much better judges than gen. of domestic labour, do great credit to the zeal width of 16 feet at 17 furrows. We therefore tlemen. This is, at all events, a branch of our and spirit of the ladies, who consent to become award him the first premium for ploughing with exhibition, that requires increased bounty and competitors, in this laudable attempt, to elicit three horses. And to his ploughman, John Hilattention, and more system and regularity; for he knows but little of the principles of human nature, who has not learned that when you interest the ladies, you touch the spring that influences, most powerfully, all the best feelings and energies of man.

ON IMPLEMENTS OF HUSBANDRY.

The committee appointed to judge of Implements of Husbandry, beg leave to state, that they have carefully examined the several objects presented for their consideration, and although they found many that were worthy of commendation, for their utility as well as their construction, there were few that had any claim to the merit of novelty in principle. Indeed, under the proper head of agricultural machinery, there was exhibited to them but one object that appeared to unite the double claim of originality and usefulness-the patent Cylinder Straw Cutter of Mr. Eastman, which they with confidence recommend to the patronage of the publick, as the most efficient instrument for that purpose that they have yet seen.

The same gentleman also presented for their inspection, a spinning machine, which they recommend as highly valuable, in enabling families to manufacture to advantage the products of their own estates, and award to the proprietor the first

premium, a goblet valued at \$10.

Mr. Chenoweth exhibited a Threshing Machine, which from the impossibility of testing its merits on the ground, the committee are not prepared to pass a positive opinion upon, but are disposed to believe that it may be valuable.

Mr. Richardson presented for their examination a Refrigerator, which although especially constructed for the preservation and transportation of butter, the committee would recommend as well calculated for promoting the comfort and

convenience of families.

There was also exhibited a Wheat Fan from Washington county, which although it has already been noticed with high commendation by the society, they cannot pass over without adding their testimony in its favor-it is known as Watkins' Fan.

JOHN MERCER, EDWARD GRAY W. B. BUCHANAN.

ON FERMENTED LIQUORS.

The committee on Fermented Liquors, report: That the only subject submitted to them, was to award "a premium for the best barrel of Cider of the make of any preceding year, of the pure juice of the apple?"

The Editor claims the credit of having been but two samples were presented, neither of which, and to each gallon of the mixture, add 3 pounds they consider as "worthy the distinction" of a domestic manufactures-and the effect has fully premium, although both of good quality; the sam-

The committee regret it was not in their powpremiums for this object? Let them embrace er to award a premium for the best sample of all of the most useful articles in the household domestic wine, as they had an opportunity of tast- used.

Mrs. Ellicott, Mrs. Hart, Mrs. Jonas McPherthey indicate a great improvement in this branch specimens of domestic industry and economy.— lis, the premium of three dollars.

Mrs. Efficient's "Strawberry Wine," was most exspecimens of currant wine above mentioned.

The committee would respectfully suggest, the fermented liquors of domestic manufacture. In cular reference to the speed of the teams. every point of view they are entitled to the notice and encouragement of the Society; they are a two horse plough made by Gideon Davis, of cheap and wholesome—to a certain extent may George Town, D. C. running an average depth be considered as necessary in domestic economy, of 5½ to 6 inches, and turning the width of 16 to every part of which they can be applied bet- feet at 17 furrows. The performance of this ter than the miserable trash imported into the plough, in the judgment of your committee, encountry and denominated, "low priced wines"; titles it to the first premium for ploughing with which is as inferior in quality and wholesome- two horses. And we also award the premium of ness as it is dearer by three-fold in price. A two dollars to Jonathan Milburn as ploughman. calculation of the probable saving to the agricultural community, resulting from the manufacture we award to James Swan-the performance in by each family of a single barrel of domestic this case was with a plough made by Robert wine, would present a view of this subject, which Sinclair, of Baltimore, and running an average would surprise the most indifferent, and stimulate depth of 6 inches, and turning the width of 16 the most zealous-its political, moral, and practi-feet at 18 furrows. cal influence upon society, would be more extensive than at first view it would seem capable to Smith Johnson. of producing. Moreover, the attention to this description of domestic manufacture, produced by a two horse plough, averaging 6 inches in depth, the encouragement to be held forth by the Soci- and turning 16 feet in width at 18 furrows. ety, would very naturally lead to the cultivation | William Patterson's plough drawn by two of the grape, and the manufacture of wines of a mules, and running $5\frac{1}{2}$ inches deep, turned 16 higher order than those hitherto attempted in this feet in width at 19 furrows. State.

this subject upon this occasion, as there are so ed 16 feet in width at 19 furrows. many matters before the Society for consideration; but they trust it will not fail hereafter to the performance throughout was in their judgreceive the attention, which, in the opinion of the ment excellent, and the scene apparently highly committee, its importance deserves.

Submitted respectfully.

WM. GIBSON ELIAS GLENN, ALEX. NISBET, GEO. WINCHESTER.

Committee on Fermented Liquors.

Baltimore, 24th Nov. 1824.

Note on Fermented Liquors .- Notwithstanding no premium had been offered, samples of Currant Wine, of various exllence, were sent by On the list we find the names of Mrs. Hart, ment. Mrs. Alexander Boyd, Mrs. McPherson, Mrs. S. P. Walker, and Mrs. Ellicott; and two bottles of Strawberry Wine also were sent by Mrs, Ellicot. Along with Mrs, McPherson's were sent who presented themselves a fair trial.—The the following directions for making:-

the exercise of any judgment on the matter, as gallon of juice two gallons spring or pump water; common refined sugar; put the whole into a clean (wine) cask-let it stand in the open air, shaded from the sun, until it has undergone a fermenta. tion, it may then be removed into the cellar: the cask must be full to throw out any impure substance that will be in the liquor. In the parcels exhibited, no kind of spirituous liquor has been

ON PLOUGHING WITH HORSES.

The committee on Ploughing with Horses re-port, that Robert Sinclair of Baltimore, entered one three horse plough of his own make, without a competitor-the performance of his plough was excellent, the average depth being at least 7 inches, and turning, in very superior style, the

Your committee deem it proper to state, that cellent, though rather more of a cordial than the when the several ploughs were ready to start, they caused it to be distinctly understood by the ploughman, that in their determination upon the propriety at the next annual show, of giving pre-merits of each, they should take into consideramiums for the best samples of all descriptions of tion the performance in general, without parti-

Jonathan Milburn entered and ploughed with

The second premium for a two horse plough

The second premium for ploughman we award

Caleb Whitamore entered with a Chenoweth The committee forbear entering at large into plough, which averaged 5 inches deep, and turn-

Your committee further state that although gratifying to the spectators-yet the several competitors were subjected to inconvenience, and their operations somewhat retarded in consequence of the crowd pressing too close to the

The whole of which is submitted and 'signed THOS. P. STABLER, by

* It was expressly stated, that each acting member of every committee, should sign Reports, several ladics, who, it is to be hoped, will here-that it might hereafter be the better known, who after receive more suitable acknowledgments. formed the committee, and pronounced the judg-

ON PLOUGHING WITH OXEN.

teams entered were two oxen of Mr. John Marsh, er of the make of any preceding year, of the variety of currants in a press, and managed by himself—two oxen of Mr. Stabler, are juice of the apple."

Place any quantity of currants in a press, and managed by himself—two oxen of Mr. Stabler, managed by himself—two ox teams, of Mr. The committee have had but little chance for to keep all the seed and pumice out; add to each Underwood, managed by two servants—and two oxen of Mr. Bartholomew, managed by himself, The quantity of ground to be ploughed, one twelfth of an acre. Three of the ploughs finish- of the volunteer premiums reported the prescribed work nearly at the same time. Maryland ..

JACOB POE, WM. FELL JOHNSON, JOHN COCKEY, of Fed'k. Co. W. W. TAYLOR, HENRY SNOWDEN.

ON BUTTER.

The committee on butter award :-

For the second best butter, particulars as above, a Goblet, \$8, to Mr. J. J. Donaldson, of Dor. For the third best butter, particulars as above, a Butter Ladle, \$5, to Mr. E. lward Diven.

Mr. Henry Nicolls, of Baltimore County.

as above, a Goblet, \$8, to Mr. Underwood.

For the third best potted butter, particulars as such gentlemen as may be disposed to follow their above, a pair of Sauce Ladles, five dollars, none laudable example will be most fully attained.

DANIEL HUGHES, HARRY D. G. CARROLL, J. W. PATTERSON, D. MURRAY WM. LORMAN.

Note applicable to several cases.

Shall managers be allowed to exhibit and take notice. premiums for the property of their employers? No little disapprobation has been expressed, un-of manure made on any farm, without foreign ma der the persuasion that in several cases, the pro-terials, in proportion to the number of hands em-perty of gentlemen who did not wish to encounter ployed and domestic animals kept," the commit-ber to give you a statement of the performance the chance of defeat, or who had no desire to and that the more willingly he should acquiesce, their duty to award the premium as above stated. if beaten, in surrendering the prize to those who will the more esteem it. That in fact he has no of rearing calves by hand, some difficulty arose substitute. That on the other hand, that it may exhibited to them were more than three days old substitute. That on the other hand, that it may exhibited to them were more than three days old shot the latter part of the day in company, conberight and even politick in any gentleman, after he has taken his change, if he gain the prize committee believe that the description of the Dr. Wm. Hammond bagged, in the fore and ter he has taken his chance, if he gain the prize committee believe that the description of the Dr. Wm. Hamnond bagged, in the to relinquish it publickly to his manager, as a treatment was principally intended by the liberal afternoon shooting, 203 brace, though token of his fidelity and good management. We gentlemen who opened the discussion by the offer company with three other gentlemen. only mention these things as having been the sub of a premium, they have awarded to David Willer Yesterday Col. Filghman and Dr. Hammond, ject of much remark, and as forming a proper liamson, Jr. of Baltimore county, the premium in riding from Hager's town to Col. Tilghman's making for the next exhibition.

ON VOLUNTEER PREMIUMS.

That they have given all the time at their dis-But the committee are decidedly of the opinion posal to the examination of the several subjects tiful samples, and the committee being at a that the team owned and managed by Mr. Marsh, submitted to them; and that they regret it was did the best work in the same time—about 25 much too short to enable them to decide on the to inspect the specimens and offer their opinion, minutes-and they accordingly award him the comparative merits of all the essays presented in which the committee concurred, and they have premium. At the same time the committee can for their consideration. They are of opinion that consequently awarded the premium for soap to not but express their high satisfaction with the it was the object of the public spirited individuwork done by Mr. Underwood's teams-and from als, who have with so much liberality and judg- del county.* what they have seen of this performance, they ment offered these premiums, to obtain informacan not but regret that oxen are so little used in tion from any section of our country, which might be beneficial to our agriculturists; and that the public notice of the offering of these premiums has been too short to enable many who might be disposed to write essays, to do so with the requisite deliberation and research. For the two of the mule and horse, and of the ox and horse,) of very considerable merit were offered to the committee; but, believing that the best interests of agriculture will be advanced by giving their For the best butter, the sample exhibited to authors time to revise them, and by allowing be of a churning of not less than 5lbs. and not others to enter into competition, the committee less than one week old, a Silver Can, valued at feel it their duty respectfully to recommend the \$10, to Mr. Robert Riddle, of Baltimore County, postponement of the award of the two first premiums until the next annual exhibition. They would also suggest the expediency of appointing a new committee residing contiguous to each other; and of requiring all essays to be deposit-For the best potted butter, not less than three ed with that committee at least thirty days prior months old, nor less than 12lbs, a Can, \$10, to the next annual exhibition. By this means, it appears to the committee that the objects of For the second best potted butter, particulars those liberal minded gentlemen who have aided themselves prefer, instead of leaving it to the the society by offering these premiums, and of society.

On the culture of the vine the committee have. An American cheese, one year old, was sub- been favoured with one essay of considerable inmitted for examination to the committee, which terest, gathered as they suppose, more from readwas made by Mr. Amos Tolles, of Winchester, ing than experience in the practical cultivation Connecticut—and which they found superior in of the vine. As some good may result from a quality to most of the English cheese imported liberal encouragement of inquiries into the best into this country for some years past.

ALLEN THOMAS,

THOMAS,

ALLEN THOMAS,

Culture as the grape, the committee have decided to award the premium offered, to the author of this essay-Mr. W. H. Tiernan.

For the fourth premium, "for the greatest quantity of useful domestic fabricks made in any family in this State in proportion to the number of persons employed," no claimants appeared, in consequence, no doubt, of the shortness of the

The fifth premium "for the greatest quantity take our premiums, allowed their property to gomery county. The committee cannot however be exhibited in the name of their manager or refrain from mentioning, that they were most overseer. It is said, that though the stake may highly gratified by the report of Henry Thompbe small, the competition is highly honourable, son, Esq. on the same subject; but feeling themand that no gentleman alive to the real dignity selves bound to confine their attention to the and importance of the subject should be ashamed simple fact of quantity without regard to the tridges. to enter the lists. That the higher his station, method of raising it (which they regret that Mr. the more honourable he makes the competition, Stabler has omitted to describe,) they deemed it evenings.

right to decline the lists, and fight his equals by in the committee from the fact, that all the calves of rearing calves by hand.

For the premium for soap, by the Editor of The committee charged with the distribution the American Farmer, the claimants were many and respectable, considering the shortness of the notice. There were a variety of very beau-Mrs Sarah Hammond, of Elkridge, Anne-Arun-

> WM. C. SOMERVILLE, E. H. CUMMINS, THOMAS ELLICOTT, GRAFTON DUVALL, GEORGE HOWARD.

* The premium has been inscribed 1824, for first premiums, four essays, (on the relative value best soap-from the Editor of the American Farmer, by the hands of La Fayette.

IF Note on Volunteer Premiums.

The premiums not awarded in this case, are offered again for the same objects, and the Editor takes this opportunity to invite gentlemen who are able and willing to add their names to the list, by the offer of a premium of any amount for any particular object to which they would like to prompt attention. Their offers can be added from time to time to the list, and if they can themselves excel in the particular case, it will be perfectly fair to gain their own premium. It will only be exercising the privilege of patronising the society in the mode which they may

For a special instance, suppose a gentleman has a fine horse that covers-what better can he do to raise his character as a foal-getter than by offering a premium of a cup of ten or twenty dollars to the owner of the best colt, got by such horse? and so in any other case where a gentleman may desire to ascertain the ne plus ultra, that can be done in any particular branch of

farming.

Rural Sports.

FOR THE AMERICAN FARMER.

GREAT SHOOTING-Washington Countyagainst Anne Arundel and Baltimore Counties.

November 19th, 1824.

Sir,-As you appear much pleased with the tee award to Thomas P. Stabler, Esq. of Mont- of several gentlemen in Washington County, Ma-

Col. F. TILGHMAN and Dr. WILLIAM HAM-MOND, after their usual dinner time in the fall, mounted their horses and rode two miles to the hunting grounds-they bagged 31 brace of par-The next evening they turned out, they bagged 29 brace-making 120 partridges in two

Mr. GEORGE TILGHMAN, in attending to the business of his farm in the forenoon, and in riding from his farm to Hager's town in the afternoon. bagged in the day, 213 brace of partridges, and

afternoon shooting, 201 brace, though he shot in

topick for consideration when preparations are for a description of the most economical method farm and on their return, bagged 29 brace of partridges-lost several.

the evening 13 brace were killed in about I hour. A SUBSCRIBER.

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Richmond Races, Fall Meeting.

Commenced on the 26th ult. with sweepstakes for 3 years old colts and fillies, 2 mile heats, entrance \$100, and was won with great ease by Mr. Wm. R. Johnson's sorrel colt Janus, by Sir Archy, beating Mr. J. J Harrison's bay colt Burstall, and Mr Selden's bay filley Victoria. The day being bad, no note was made of the time of running the heats.

Second Day.

The Proprietor's purse of \$300, 3 mile heats, was won by Mr. Wm. R. Johnson's bay mare Betsey Richards, beating Mr. J. J. Harrison's brown horse Aratus, at two heats. The time of running was as follows:-

1st heat, 6 minutes. 2d heat, 6 minutes 8 seconds.

Third Day.

The Jockey Club purse of \$1000, 4 mile heats, was won by Mr. Wm. R Johnson's bay mare, entered as Janette, (now called Virginia La Fayette) at 3 heats, beating Mr. Wynne's bay mare Flirtilla, and Mr. Tillory's bay horse Marion.

Virginia La Fayette by Sir Archy . 3 1 . . . 1 2 Flirtilla by Sir Archy Marion by Sir Archy

1st heat, 8 minutes 11 seconds. 2d heat, 7 minutes 58 seconds. 3d heat, 8 minutes 12½ seconds.

This race afforded line sport, and was closely contested, the prize of \$1000 (all in American gold) was contained in a splendid purse of steel nett work; the course presented a very animating spectacle, which was enhanced by the presence of Gen. La Fayette and suite, together with a number of Revolutionary Officers and distinguished strangers, who by invitation attended and drew with them a larger concourse of people than had before attended. The General was con-ducted by a Committee of the Club, from his lodgings to the field, he continued in his barouche till a short time before the race; when he was conducted to the judges' stand, where he remained during the time of running, and expressed very that he cannot reach them. If there is a rack, then receive their Diplomas; and those only have a right to participate in the proceedings, who pay \$5 per annual. After the conclusion of the race, the General and his attendants were conducted to the jockey club dining room, where they partook of a splendid and sumptuous dinner, prepared by Mr. James Selden, the proprietor, and given by the Jockey Club in honour of the General. Nothing occurred during the day to disturb for a single moment the pleasures of the scene.

ters from the Highlands:"-

tains nothing at all, had no positive demerits; a noist be supposed that this department, however be fortunate if they are some stepping-stones for the fingers of this bare-headed kilted callen will mond Races-Combons of a Highland Stable, &c.

In the morning but few birds were found-in vourself: more fortunate, if your horse does not not make it lie in any direction-even in a wrong It is reckoned politic here to suffer the mud to es, as would have procured all the luxuries of dry on his legs; and to pick or examine his feet Mark-lane and the Hay-market. would be troublesome. If the thatch is water tight, so much the better. A hayloft is a luxury ! ling for them to the Highlands of Scotland] and as there is no stable lantern, the hay hangs down among the loose boards upon the candle; but, being damp, there is no danger The boy goes up to stir it about, and you are covered with dust and chaff. So is the horse, and as he is not wiped down, and there is no horse cloth, that helps to keep him warm. Since the Scottish reformers pulled down the stalls in their churches, they have probably thought them unnecessary in their stables; but a few saddles and pikes and poles and wheelbarrows and horse collars, with a stray pig, a hen and chickens, and a calf, serve, at the same time, to wedge him up, and to prevent prudent to tie him up, under these circumstances, or because the house is filled with Highland ponies justling and squabbling and kicking in every stirks and stots; but what then? If you think it direction, there is no halter. You may use your bridle, which he will break; or if you insist on a halter, a rope will be found before to-morrow, the head of the basin, we halter, a rope will be found before to-morrow, than from 3 to 400 Bay Crafts. and made fast round his throat with a slip knot; so that it is not unlikely you will find him hanged saving, because he will spoil half of it, and that will serve for his bed. That, with his own produce, is probably the only bed he will get; but, being added to the former beds of former horses, it serves to keep him moist and cool. You begin resides, lying on West river, in Anne Arun'tel by giving him hay; but as it is made of musty county. This portion has attached to it all the rushes and other matters, he refuses to eat it, huildings necessary for the accommodation of as expecting corn. But if you begin with corn, as many servants as could be advantageously em-COMFORTS OF A HIGHLAND STABLE.

The following account of the stabling and grooming horses in that part of Great Britain called Caithness, is from "Dr. Maccalloch's Letters from the Highlands."

The form the Highlands."

The form the Highlands of Great Britain called Caithness, is from "Dr. Maccalloch's Letters from the Highlands."

The form the Highlands of tobacco. About 250 acres of the hogsheads of tobacco. About 250 acres of the tract is now in a highly productive state, and the whole can be enriched to almost any extent, as there are inexhaustible banks of oyster shells signed. that is musty too, he waits for the hay. It is pro-ployed in its cultivation, and for the curing of 40 you are about to depart in the morning, you must cipal fields. He would gladly also dispose of to "The stable at Houng, considering that it con-not be in haste; because your horse is neither the purchaser of the farm, at very reduced prints nothing at all, had no positive demerits; a fed nor watered, nor is likely to be, until you do ces, a number of healthy, intelligent, and well rare case I must admit. But if, after describing it yourself. If he is a gray horse you will find brought up SLAVES. Mrs. Maclarty's kitchen, and after breakfasting, that he is turned green; and as he will become dining, and sleeping at her hotel, I were not to greener every day, since a curry-comb was never lead you into the stable of a Highland inn of this heard of in Vr. Maclarty's stable, the prudem class, I should be unjust to the fair sex; as it thing is to paint him green before you begin. A whisp of straw might have been substituted, you indirectly, is under the controll and management will think, for the curry-comb: but the knave of Mr. Maclarty, not of the lady If you succeed trusts that the next shower will do as well. The in reaching it, it must be through a pool of mud mane, of course, is matted by the fairies; for how in reaching it, it must be through a pool of mud mane, of course, is matted by the fairies; for how and other indescribables, and it will else should it have become so inextricable that Committees, for the Western Shore; Great shooting; Range

trip on them, and souse you with the perfumes of one? If he possessed the luxury of a comb of this moat. If he is a tall horse, not understanding architecture, he will knock his head against to straighten his own locks, and the other to claw the door-way; and if you have the misfortune to his own hide. When your saddle and bridle ere carry a portmanteau, as may happen to single to be put on, you will find that they have been gentlemen, he will stick in the passage, and pull lying in the dirt all night, as there is no peg to off the straps, which there is no saddler to mend, hang them on; and in a well-regulated stable, it When you get in, you find two or three holes in is held matter of policy to keep some wild colt or the wall, for the sake of ventilation; so that on filly loose, who walks about in the night, trying Mr. Coleman's system, he cannot catch cold. If to purloin the hay and corn of his neighbours, you do not keep an eye on him, you will shortly having none of his own; so that, if you sleep find him swilling water out of a bucket, or in the near it, you are regaled with quarrelling and nearest river; and the next morning he is foun-kicking and stamping all night. But it is time to dered; and so are you When he does want wa-lock the stable door; yet not till you have paid ter, as there is seldom a pail, he is dragged out the breechless lout as much for doing oothing, as, by the mane to the river; and if he breaks his in London, would have polished horse, bit, and knees among the rocks and stones, he is used to stirrups, to the lustre of the planet Venus; and it, or else his tratermty is, which is the same thing, twice as much for musty husks and mouldly rush-

> [Such comforts may be realized without travel-Eo. AM. FARMER.

WHE WARMER.

BALTIMORE, FRIDAY, DECEMBER 3, 1824.

THE PRICES OF COUNTRY PRODUCE.

IF We have taken the round of the wharves to ascertain if there be any change, worthy or once, in the price of the articles usually quoted in the American Farmer. The result is, that, as to Tqhim from being duil. It is likely that you will BAGGO, there is nothing doing; no sides - Vicat object to the society of half a dozen sharp-horned is duil, and flour much on hand and lattle doing -Red Wheat may be quoted at 90 to 95 cents-

> there is no change worth stating - Juk Wood from \$3 to \$3.50-Pine do. \$2.25. There are at from \$3 to \$3.50 -Pine do. \$2.25. the head of the Basin, we should tank, not less

The Maryland Agricultural Society will meet at Burthe next morning. If there is a manger, 1110ba next sin, Light-street, on Saturnar vext, at to o'clock, bly the corn is put into it; but it is either full of the sin, Light-street, on Saturnar vext, at to o'clock, bly the corn is put into it; but it is either full of the sin shoped that gentlemen in the country will endeavour to holes, so that the oats run through, or so high attend, and that the meeting will be full. Members may

A desirable farm for Sale.

The subscriber will dispose of from 300 to 500 acres of the well known FARM, on which he now

Letters addressed to him at Annapolis, will be promptly attended to; and those who are desirous of communicating in person, will find him at his

residence on West river.

JNO. MERCER.

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AGRICULTURE.

GENERAL R. G. HARPER'S ADDRESS. Prepared at the instance of the Board of Trustees, AND DELIVERED BEFORE THE

Maryland Agricultural Society, At their Annual Exhibition, on the 25th November, 1824; WHICH WAS ATTENDED BY THE

Nation's Guest, Gen. La Fayette,

presented to the fortunate competitors.

MR. PRESIDENT

facturing and commercial classes ought to exist, efforts, interchange of ideas, and the mutual comin a due proportion. The first produces the ma-munication of discoveries. One of the various

physical and moral excellence of our species .-The agriculturist is employed in the open air. free and happy government.

is this pursuit which is not less conducive to the to this subject. Two neighbours, who have farms dignity and happiness of man, than necessary for of different soils and exposures, may often exhis subsistence, which occupies four-fifths of this change products with each other, so as to enable and every other well constituted community, has both to cultivate to greater advantage. The same every where received less public attention coun-tenance and support, than any other branch of posures, a strict attention to which will enable industry. Those who are engaged in it have get the farmer to adapt his crops to his ground if not nerally been left to grope their way in the dark; perfectly, at least to a very great and beneficial to overcome obstacles by their individual efforts; extent. To this end it behoves him, not only to to find out errors by the experience of their instudy well the nature and qualities of his own By whose hands the Society's Premiums were jurious effects; and to rely for their correction, lands, but to make himself thoroughly acquaintas well as for the discovery and introduction of ed by experiments reading and observation, with improvements, on single divided and unassisted the nature of different crops, and the manner in exertions.

much facilitated by the mechanic arts, and may prosperity of the agricultural class promoted, account, and perpetually renovated. But the most skilful selection of soils and situations with the assistance of those domestic animals which he rears and feeds. Mechanic art gives it a variety of topicks, that many which properly to return to the earth those ingredients, fitted to some, but very little, aid. Consequently it must be onitted, and but a few brief the nurture of her various productions, which are employ great numbers, the great mass of every remarks, little more than a bare enumeration, used up and exhausted in the act of producing.—
community: and in this respect, also, agriculture can be given to the rest. Hints for reflection are is the most important object of human pursuit.

all that I can aspire to: happy if they should exhausted, and felds once fruitful become barren Noris it less so, in its tendency to promote the prove of some use, in leading to enquiry, or point wastes. In giving her this constant supply, in ing the way to improvement.

Among the general means of improving agriinstead of being shut up in a close and crowded culture to which I must confine myself, permit This is the most indispensable object of his unroom. He inhales the pure breezes of the morning, instead of the tainted atmosphere of a massoils and situations. Every man's experience accomplishment are irrigation and manuring. nufactory. His limbs are continually in free and must have informed him, that almost every proactive motion, instead of being confined to a work-duction of the earth will succeed better, in some a high degree, the advantages of irrigation .bench, or a loom. He has constantly before him soils than in other sequally fertile; which in their They are, however, much more general than is the beautiful and magnificent spectacle of nature, turn are better adapted to the growth of some commonly supposed. The smallest rill, the fee-ever varying yet still the same, which leads him other plant. And where the soil is in all respects blest spring branch, is capable of being turned to to the contemplation and worship of Nature's the same, the situation as regards the sun and the some account; of being made to contribute some-God, and cherishes every noble and generous sen-wind, and the greater or less elevation of the thing to the fertility of some portion of the soil. timent. He derives his subsistence immediately ground, will render one spot much less favourable. The manner in which streams may be conducted from his own exertions: his mind is directed to a great variety of operations, instead of being confined to one or two: and where, as in our happy adapt his cultivation perfectly to the situation of plained within the compass of an address like country, he cultivates his own soil, reaping for his grounds, and the nature of his soil. Until this. It is a subject of very considerable extent, himself all that he sows, and enjoying all the fruits of his own industry care and foresight, in- to afford a ready and advantageous market for eve-lexperience, and much may be done by regular stead of toiling for a bare subsistence, to promote the wealth and supply the luxury of another, he dispose conveniently of the crop which he may from my own experience, that a small stream by feels a proud and lofty spirit of independence, find it best to raise, and purchase those articles to the simple expedient of damming it up, so as to which elevates him in the scale of being, and fits which his own lands are not so well adapted, be raise it out of its bed, and lead it by a trench him to fulfil with dignity and effect his high dumust embrace in his own cultivation almost every along the hill side, will in a few years convert a ties, as one of the members and supporters of our product which his consumption requires, however barren sedgey old field, into a most productive ill-suited it may be to the nature of his farm.- meadow.

And yet this pursuit, noble and ennobling as it But still much may be done, by careful attention which each is affected by the qualities of the soil, AND GENTLEMEN OF THE SOCIETY:— It is the object of our Association to correct, as and the situation of the ground. This is a funIt is an axiom in political science, that in every far as possible, this state of things, and to give damental point in agricultural science, to which well ordered community the agricultural manuagriculture that aid which is derived from united the practical farmer cannot pay too much atten-

Next to this comes the proper rotation of crops, terials with which the others work, and the food means which the Society has devised for attain-so as to adapt each to the actual condition of the of all:-the second prepares these materials for ing this end, is the delivery of an address by land. It is well known that almost every soil posthe use and enjoyment of man:—and the third one of its members, on some subject connected circulates the surplus products of both; thus with agriculture. In consigning of this honouranabling every individual to turn his labour to the ble task to me, they have, I fear, formed much best account, by exchanging it for such products too favourable an estimate of my attainments, in of the labour of others in every part of the world, this department of knowledge. If fondness for leave the land after a crop much less fit for it than as his necessities his gratification or his conve- agricultural pursuits, and a deep conviction of before. But this land may, and almost always as his necessities his gratification or his conve- agricultural pursuits, and a deep conviction of before. But this land may, and almost always nience, may require.

their importance to the prosperity and happiness does contain, in a greater or less degree in progredients under the greatest number of our country, were alone sufficient, I might portion to its fertility, the ingredients suitable for agriculture is far the most important, and must claim to be in some degree qualified, for the duty the production of some other plant, which the previous crop has not affected at all, or but slight-portance are the materials of which his clothing, possessing that practical and minute knowledge and all his other accommodations are made. Both on agricultural subjects, which alone could enable ton. So of a third and a fourth, and sometimes of a feth and a sire the government. of these depend on agriculture. In preparing his me to give useful lessons to farmers. Some hints of a fifth and a sixth; in the course of which the food, and working up the raw materials for his I may be able to suggest, which perhaps may land, by a careful attention to manuring, becomes clothing and other uses, machinery is employed lead to further enquiries, and point the way to to a greater or less extent; which enables a com-useful improvements. To this I shall confine my paratively small number of individuals, in every endeavours, leaving to skilful and experienced it is always employed in producing that crop, with community, to perform all the labour of this de- agriculturists the more important and difficult the proper ingredients of which it is most plenti-The business of transportation and exchange, tails of his profession. The general means by which occupies the commercial class, is also very which agriculture may be improved, and the ductive powers are perpetually turned to the best

thus perpetually renewing her perpetually wasting powers, consists the great skill of the farmer.

But few farms are so situated as to possess, in

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And where streams do not exist, much may be ing, and more time to come to perfection. The particular races. But all, I repeat, must be well done by turning currents of rain water over the point to be arrived at is the greatest quantity of kept, or they will not thrive and prosper. fields, and especially over grass lands. They al-lifesh, with the smallest quantity of food. In this ways carry with them more or less of fertilizing matter. The wash of roads is particularly valuable, in this way. I can here again speak from quently, that the largest and most showy are not Good shelter, protection from cold, and more esmy own experience, of the beneficial effects of always the most valuable. these practices. I have on my own farm as mall piece of grass land, originally very barren, which breed is to be preferred which, with size enough sheds for your cattle, and especially for your has been rendered highly productive by turning for strength, can be kept in good condition with milch cows, young calves, and fatting beeves, so over it the wash of a road. The fine particles of the smallest quantity of food, requires the least constructed as to surround the barn-yard, shelter earth carried down by the rain, from such places, appear to be extremely fertilizing, especially for the longest. In all these particulars a great dif-them on dry ground or floors. grasses.

To dam up small streams and gullies, so as to

collect the fine earth which the rain brings down the breeding of milch cows, you must look not food; which will enable every farmer to support them, is also a very cheap and beneficial practice, only to the quantity but to the quality of the them, is also a very cheap and beneficial practice, only to the quantity but to the quality of the a much greater number, and consequently to enof which I can attest the advantages. The mat-milk, to the hardiness and healthiness of the ani-crease greatly the quantity of his manure, and the ter thus collected is a very fertilizing manure; and they who have not witnessed it may had a difficulty in believing, how large a quantity may situations; which are much more numerous and ber of them are united, in the highest degree. easily found than will readily be supposed, by those who have not attended particularly to the ed yourself with a stock to breed from, another clair, which costs much less, and will I appresubject. Hardly any farm is without them.

all; but all have not attended to the best methods tions, by their form size and general appear-sirable fineness, and with great rapidity, but corn of making it. To this all important object a good ance, of the qualities which you desire. By con-blades husks and tops, and even the lower stalks barn-yard is indispensable. It should always, stant attention to this choice, joined to good keep of corn, if cut down and cured in the greenest where practicable, be formed on sloping ground, ing, without which all other cares will be vain, state, which is consistent with the ripening of the with the barn stables and cow-houses on the highest part; so that all the wash and drainings any point of perfection. All the fine races of tood by steaming with the mixture of a little may be collected and preserved. It should be surrounded, if possible, by a stone or brick wall, manner, as well as all the fine kinds of fruits and cows. The apparatus for steaming is very easily especially on the lowest side, where all the may regetables. The same laws apply to all. Like procured and fixt up; and although it costs some nure may be formed into heaps, and may receive will generally produce its like, in good and in money, I am quite satisfied by my own experithe washings and drainings from the stable and bad; and the best stocks will degenerate, unless ence, that on a farm which maintains fifty head yard. Where sloping ground cannot be found, or care be constantly used in selecting the best in of cattle, it will pay for itself in two years, if not conveniently used, it will be highly advantageous dividuals, for keeping them up. Be the race even in one, by the encreased quantity of nutriment to dig out the yard, so as to create a slope from so excellent, if the individual be defective it which it produces, from the same substances weeds, and litter of the farm.

a farmer's attention. To prosecute it successfully a selection of the best breeds, in the first place, is indispensable. In relation to some other ani mals, this is universally understood and admitted. No man expects to raise a fine horse, without attending to the blood figure and size of the sire and dam. Their qualities are also acknowledged cattle the breed is of no moment. Like, however, as well expect to produce fine wheat from inferior seed, or fine apples from grafts of an inferior tree, as fine cattle from a bad stock.

mode of profit which we have in view. Is it our object to raise and fatten beef for the market? We should choose a race which fattens easily, has small bones, and comes soon to maturity.— These properties are far more valuable than mere size: for it will generally if not universally be found, that very large animals consume a great quantity of food, and require higher keep-others; and this is one of the excellencies of though not as yet in coperal use, which will constitute the subject to raise and fatten beef for the market? I have said that without good keeping, all other this supply of green tood, during the season when cattle require it, is the great difficulty of the subject; but I may shortly remark, that if a supply cannot be found for the whole season, the system may still be usefully not thrive and prosper unless they are well kept. Some may be kept, indeed, at less expense than productions well adapted to our soil and climate, great quantity of food, and require higher keep-others; and this is one of the excellencies of though not as yet in coperal use, which will constitute the subject to the subject to

respect there is known to be a great difference between different races of cattle; and, conse-

the smallest quantity of food, requires the least care, is capable of the quickest motion, and lives them from the cold winds and the rain, and keep

mal, to her appetite, and to the kindness with profits of his farm. The first process in preparwhich she feeds. Some races are remarkable for ing their food, is to cut it very fine; for which one, and some for another of these qualities; and purpose Eastman's cylindrical cutting knife is, by be collected with very little labour, in favourable that is to be preferred in which the greatest num-far, the most powerful and efficacious instrument

stantly covered during the winter with leaves, to have been paid to these considerations, in the will not eat. which a very little labour will collect from the breeding of cattle. It seems to have been the woods at times when hardly any thing else can prevailing opinion, that one cow or bull was as the breeding of cattle, to its highest perfection, be done. To these should be added all the offal good as another, and that feeding was the only and to render the barn-yard and manure system eeds, and litter of the farm. matter of importance. So far as any attention the most efficacious, I am fully convinced that the The best barn-yard, however, without plenty was paid to selection, it was wholly confined to cattle, except the milch-cows, should be kept in of stock, will produce but a scarty supply of ma-size; an important point indeed, but far from be-the yard as much as possible, at all seasons. For nure; and in this point of view, as well as in seve- ing the most important. Thanks to some public milk, or rather for butter, grazing seems to be ral others, the breeding of stock, and especially spirited and intelligent citizens, and to the zeal indispensable; either because there is something of cattle, is one of the most important objects of and enlightened labours of the "American Far-more favourable to the lacteal secretions, in the mer," more correct opinions begin now to prevail, grass fresh cropped by the cow herself; or beand importations of cattle of the most approved cause her health and secretions are promoted breeds have put it into our power, to improve our by the exercise which she takes, in collecting her native stock, and to form one entirely new. I food. Perhaps both causes unite. But for every cannot too earnestly entreat the farmers of Ma-lother purpose, I have no doubt that it is far best ryland, to avail themselves of this opportunity.- to keep the animal always in the yard, when and dam. Their qualities are also acknowledged With a little trouble, and an expense compara to be of importance. But far the greater part of tively inconsiderable, these valuable breeds may farmers act as if they believed, that in raising be so extended and encreased, as soon to give the This I have fully proved by my own experience. State a new stock, of the best description. Let It has been proved by many others. The land too we know will produce its like, in the animal as every man who cannot procure a heifer of the is more productive when it is untrodden. But well as in the vegetable kingdom; and we might imported breeds, select the finest of his native the great advantage of the system lies in the very cows, and send them to the full blooded bulls .- superior quantity of manure, which it enables the This will soon give him half bloods, the finest of farmer to accumulate, from the same quantity of which may, in the same manner, produce calves of stock. In grazing, the far greater part is dropt in In selecting the stock from which we shall three quarters blood; and thus by a constant at the fields, scattered and lost. In the barn-yard breed, much attention is due to the qualities and tention to the selection of the finest females for it is all collected and preserved. properties of the different races, as well as to the breeding, and to their keep, he may soon have

great quantity of food, and require higher keep-others; and this is one of the excellencies of though not as yet in general use, which will can-

And good keeping does not consist in sufficient feeding alone. It is indeed a most essential point, but not the only one to which we ought attend .pecially from wet and filth, are scarcely less If your object be to raise oxen for labour, that important. Hence the necessity of houses and constructed as to surround the barn-yard, shelter

ference is to be found, between different breeds.

If your attention be directed to a dairy, and to them, by a proper apparatus for preparing their Great economy may also be practised in feeding that I have seen. There is a smaller one, made When you have chosen your race, and furnish, and sold, and I believe invented, by Robert Sinmost important selection is to be made. The fighend be found sufficient for a small farm. By On the benefits of manure it would be super- nest calves are to be singled out, annually, for means of these instruments, and especially the fluous to dilate. They are acknowledged by raising: those which give the strongest indica- first, not only hay and straw may be cut to any deevery side towards the centre. To increase the ought to be rejected.

quantity of manure, the yard should be kept con
Until very lately little or no attention appears in their natural state cattle, unless very hungry,

The supply of green food, during the season

ble every farmer to keep his stock in the barn- farm, where tobacco or wheat are the great ob- Wool too, was then of little value or importance; yard, during a great part of the season. Among jects of attention, to the exclusion of grass. The because so great a portion of the labour of the these lucern and millet are the most useful. The difference will be striking, but it is founded in community was directed to the cultivation of to-first may be cut much earlier than clover, and nature. The products of the grass cultivation bacco, for exportation, and of Indian corn, that much more frequently. It grows best indry lands, are constantly accumulated on the soil, and convery little indeed was left for household manusloping moderately to the southward; and should stantly augment the productive capital of the factures; and establishments for manufacturing, be sown broad cast in the spring. The land cultivator; while those of the other system are where wool might find a market, were wholly should be well prepared by a cleaning crop, such almost wholly collected into his pocket, and mere-unknown. Now every thing has changed, and the as potatoes, or turnips and should be as free as pos- ly supply the means of his daily expenditure.sible from grass and weeds. A good, but not a They disappear in the consumption, and leave litand troublesome animal, over one of the most usevery rich soil, is necessary. The best manure for the behind them to renovate the soil, to augment ful which our all bountiful Creator has bestowed this plant is a top dressing of spent ashes.

pared, as free as possible from weeds, and in good ers of the establishment. heart. It comes very quickly, and may conse-

may be easily secured.

For the same purpose I would strongly recommend pumpkins, which may frequently be productoo early to put the stock on winter food. Turnips are very useful for the same purpose, though are other plants which are frequently and advantageously used, for feeding in the barn-yard, during the summer and autumn; but I confine mysetf to these, because I am best acquainted with ful, and the most easily cultivated.

For further and more particular information on improvement, permit me to refer you to that very condensed form and excellent arrangement, among us. all that is most useful to American farmers, in the discoveries and practice of other countries and of the best means of promoting the interests of

agriculture.

For the winter food of cattle roots are of great ring the winter. They are well suited to our climate, and to a great portion of our soil. Cattle eat them with avidity; and their product when properly cultivated is so great, that a very small

grass crops. They enter essentially into every good rotation. They improve the soil, while they supply abundance of food for domestic animals; thus introducing plenty on the farm, while they To perceive their beneficial effect, you need only

or repair the buildings and other improvements, upon ns, ought to change too. The change, in-Millet also requires land well cleaned and pre- or to encrease in any manner the productive pow- deed, like all those which affect national customs

quently be cut early. By sowing a part of it late, soil and climate, the peculiar advantages of each ing it, and by the units of endeavours of a late supply of green food, when clover is gone, kind, and the proper manner of cultivating them, all, it may be much sooner and more easily effectkind, and the proper manner of cultivating them, all, it may be much sooner and more easily effectI beg leave again to refer to the American Far-ed, than would at first view appear practicable. mer. Such details, if I were competent to give In our endeavours to substitute sheep for hogs, as mend pumpkins, which may frequently be produc-them, would be tedious and misplaced here. In in those for improving the breed of cattle, great ed in great abundance, in the fields of Indian corn, the pages of the Farmer you will find them very attention ought to be paid to the selection of without at all interfering with the corn crop, or fully and very clearly explained. It is to the general advantages of the system, as a most powerful mean of promoting agricultural improvement and most palatable food for cattle in autumn, erful mean of promoting agricultural improvement and prosperity, that I wish to invite your ble. Some excel in the quality of their wool, attention.

much inferior to pumpkins. They can be kept have made the experiment, with the same result. more hardy, and some easier to raise and keep longer, however, and are a surer crop. There Some years ago, I erected several buildings at my than others. These different qualities fit them good New England oxen. They worked in a mon food, and of their wool for common clothing, wagon which often went to town for lumber, with is the object which I wish most to press on your them, and think them on the whole the most use- the horse teams, consisting of five good horses attention, I consider that breed as the best for our ness. My four oxen went and returned as soon, quantity of feed, is found to produce the heaviest this important branch of husbandry, as well as on and brought as heavy a load, as any of the five carcases and the heaviest fleeces. almost every subject connected with agricultural horse teams. This they did, not only in the None of the breeds, however, will be profitamost useful publication, the American Farmer; And there is no doubt, that if they had been care-good management. They require shelter no less know, will fail to be found. The industry intel-well trained, they would have performed still should be calculated to be more; although it know, will fail to be found. The industry intelligence and knowledge of the Editor, his zeal in the pursuit, and his very extended correspondence, enable him to collect, and to present, in a time state, from a good stock, and than cattle, and perhaps even more; although it should be calculated to keep them dry and clean, rather than to keep them warm, for which nature northern constitutions were as well adapted to the heat of our summers, as those of cattle head

and entered a little more into detail, than the oc- for feeding them, during the season when pastures our own. I cannot too earnestly recommend the casion will perhaps justify. If so, an excuse will fail, I forbear to touch. For them I refer you constant and attentive perusal of his work, as one I hope be found in my deep conviction of its im- again to the publication which I have already had portance, to the agricultural interests of our occasion to mention, and which, as a source of use-

importance, and especially beets parsnips and is the substitution of mutton for pork, as an articarrots. They may all be advantageously culticle of food. Of all animals, next to the cow, vated with the plough. They are easily kept duthe sheep is the most useful to man; and in ters largely into our household manufactures,

habit of giving the preference to this destructive and habits, must be progressive and slow; but For the selection of grasses best adapted to our every farmer may do something towards promotsome in the quantity; some in their size, and some This is in the north; but in our own climate I in their disposition to fatten. Some are much farm near Baltimore, for which all the lumber for the different purposes, which each breeder was hauled from the city. I had a team of four may have in view. But as the use of them for comeach, which were employed for the same busi- purposes, which in a given time and with a given

spring and autumn, but in the middle of summer. ble, without care and attention, good keeping and the heat of our summers, as those of cattle bred attention to be paid to their food, both in winter among us.

1 have enlarged a little more on this subject, and enclosures for their protection. The details ful information on agricultural subjects, I cannot The next to which I would ask your attention, mention too often, or too earnestly recommend.

The comforts of the farmer, and of course his general prosperity, will be very much increased the sheep is the most useful to man; and in by attention to some other objects, which, alone most important particular, his utility is far though of less importance than these, are highly greater than hers. His fleece furnishes a most es- deserving of his care. Among them I will briefsential part of our clothing and furniture; and en- ly notice dairies, ice houses, fruit trees, and vines.

The labor and expense of constructing a conquantity of land will supply food for a large stock, which form the true basis of the manufacturing venient dairy and icc house, are very inconsider-Next after the breeding of cattle, and closely system, and stand next to good husbandry, among able; and hardly any farm is destitute of a toleraconnected with it, in the list of improvements in the means of promoting individual virtue, public bly good situation for both. The advantages to our system of husbandry, comes the cultivation of prosperity, and national as well as individual in- be derived from them are not, I apprehend, suffidependence. This most useful animal is more ciently considered. How large a portion of the easily raised and kept than the hog, is far less misfood of every family might consist of milk, and chievous and destructive, and his flesh is at least the articles made from it! Without a dairy, for equally nutricous, while it is much more whole which every spring affords a situation, and a few add constantly to its fertility, by the quantity of some. Habit I know has wedded us strongly to logs will furnish the materials, they can neither manure which they enable the farmer to collect. pork, as the chief article of food; but this habit be made well nor preserved for use. And yet, was formed when the circumstances of the coun- how many farms, and large ones too, where much look at a district of country, or even a single farm, try were wholly different, and we ought now to labour is at the disposal of the owner, do we see where a proper attention is paid to the culture of labor for its correction. In the early state of the without this convenience? How much food is lost grasses, and compare it with another where they country, when the population was extremely thin, for want of it. Ice houses are still more rare, are neglected. In one you will find smiling plen- and nine-tenths of the land were covered by foty, with her lap full of good things: houses and rests, in which swine found abundant subsistence, benefits hardly inferior. A hole dug in the earth, family and domestics well fed lodged and cloth-numbers, and it was still more difficult to protect of straw, make a very good ice house, perhaps ed. For the picture of the other, which will not them from beasts of prey, the preference was nather best. I have two on my farm; one built in be so pleasing, I refer you to a plantation or a turally; and indeed necessarily, given to the hog. this manner, by my own people, and the other

generally is, the great difficulty. Here, again, situations, and for the mode of planting, cultiva will be blessed to him in its fruits. Still more it my experience may be of some use. My two fice houses are filled from a very small pond, made by damming up a stream of inconsiderable in speaking of the general means of improving which powerfully promote the improvement of made by damming up a stream of inconsiderable size. Almost any spring branch is large enough for this purpose; and where it is inconvenient to make a dam, on account of the shape of the fect might be produced, by the establishment the arm of government, by which alone they can ground, a pond of sufficient demensions is very in a suitable situation of a pattern farm, where be effected. They are for the good of all, and the easily dug, into which the water may he turned the best animals of every breed, and for every means and efforts of all ought to be united, for before the frosts commence. It freezes very reapurpose, might be brought together, for constant their accomplishment. Let us not forget that we before the frosts commence. It freezes very reawill supply an ice house, than would be readily believed without trial.

Besides the comforts of an ice house, its direct benefits in preserving fresh provisions, and keeping milk and butter in the best state during the hottest weather, will soon repay the expense of making and filling it; and the cost of an ice individual exertions, and all may unite in the en of exertion, or want of patriotic feeling. pond will soon be re imbursed, by the washings from the adjacent lands which it will annually collect, and which make an excellent top dress-

ing for almost every kind of crop.

Among fruits the apple is by far the most useful; and being the best adapted to our soil and climate, is the most easily raised. They who or obtained, they thrive well with moderate care, and if planted far enough apart, they do not impede the cultivation of the land. Some care they must have, but it requires very little time or labour. When they have grown beyond the reach of cattle, they do not prevent the land from being used as pastures, by which they are benefitted, as well as by its frequent cultivation in grain, potatoes, or other cleaning crops.

When we recollect the variety of modes in which it may be preserved, after all other fruits have failed, the number of wholesome and palatamay well be surprised that so many farms should the great public work of agricultural improvement, there will be a clear saving of four hundred thoube found without an apple orchard, or even a few trees to furnish fruit for the table. Its last protrees to furnish fruit for the table. Its last property, that of supplying us with an agreeable and It is obvious to all, that in proportion to the great-farm, because there are some uses for which oxen eught to induce every friend of religion and vir- transportation, and applied to production. Sup- oxen, at half price. The saving would then be

is found to be abundant, and the cultivation very profitable in proportion to the land and labour emproblem to the restant and the proportion to the rand and the property of this state, and lumble and limited as they may, exert them to especially in this and the neighbouring counties, the utmost, in this great cause. Let him enlightword on trial equally well suited to the en himself and his neighbours, and thus contributed to the loud on trial equally well suited to the en himself and his neighbours, and thus contributed till an advanced age, he becomes very difficult to fatter.

expensively of stone. The former is much the dance, from Georgetown and York, with instruction in the best. Filling an ice house is supposed to be, and tions for the proper selection for different soils and governmental means. Like the widow's mite, it

agriculture, roads and canals must not be omitted; nor ought we to forget how great an ef deavour to give a favourable impulse to public So of roads and canals, which conduce most pow-sand to the agricultural interest. eight to induce every friend of religion and virtue, to unite in promoting its general cultivation. The same argument pleads strongly in favor of the vine, which is less known, less easily understood or managed, and consequently requires greater efforts to secure its successful introduction. Little has hitherto been done, in the cultivation of this most valuable fruit; but that little is sufficient to prove, that it may be cultivated to advantage in a great many parts of the country, and probably in almost all. The principal experiments have been made in the neighbourhood of Yorktown, Pennsylvania; near Georgetown in the District of Columbia; near Newbern in North which has a fairer field to cultivate, go and do ox, and on his training. Some breeds, like some likewise. Let each one of us, be his means as

agriculture and the public prosperity, are too mighty for individual strength. They belong to dily in this manner, and a much smaller surface inspection as well as propagation; and every are parts of this whole, by which so much may new improvement in tillage husbandry and agricultural instruments, might be subjected to the
test of experience. This is an object worthy of the munificence and patronage of the state govern-success, and if we fail, we shall have the proudment. Perhaps without such aid it cannot be though sad conviction, of having failed by the accomplished. Yet something might be done by faults of others, and not through our own laxity

Among the more general, but not the least effiopinion, by which alone the assistance of the go-cacious means of promoting agriculture, I would vernment can be secured. It is one of the advan-tages of our political institutions, which may sometimes be felt as an inconvenience, but in its labour. It is well known that an ox does not general operation is our best security, that our cost half as much as a horse; that he is kept at climate, is the most easily raised. They who governments rarely lead, but never fail to follow less than half the expense; that he is less liable have leisure and means for attending to objects of public opinion; and, indeed, do little more than mere enjoyment, will cultivate other fruits, and give a legal sanction, to that which the public will becomes unfit for work, he makes excellent beef; especially the peach and the pear. But every has previously resolved on. Hence it is necessa his tallow, his hide, and even his horns hoofs and farmer ought to plant a good apple orchard, as ry, in originating any great system or measure, to hair, being all useful. It is known that from the an object of profit. The trees are easily raised inlist public opinion in its favour. Let this be our steadiness and quietness of his motion, he is betry, in originating any great system or measure, to hair, being all useful. It is known that from the endeavour, in relation to the establishment of a ter adapted to almost every kind of agricultural pattern farm, on a suitable scale, by the aid of labour than the horse. All this is well known; the public purse; and to legislative encourage and yet the effect of it on the whole condition of ment in various modes, to agricultural improves the agricultural community, and, indeed of the ments. Hitherto Maryland has done nothing for country in general, has I believe been very little agriculture, while New York, Massachusetts, and considered. Suppose that in Maryland ten thouso many other states, are reaping a rich harvest, sand horses are kept for agricultural labour, and from their liberal and enlightened measures for that at the proper age for work, they cost eighty its encouragement. Let us hope that a new cra dollars each, to those who purchase or breed is about to dawn upon us; and above all let us them. This is a mere conjecture, but probably which the apple is used, the length of time for unite heart and hand, each according to his means it is not far from the truth. They will amount to which it may be preserved, after all other fruits and opportunities, in hastening its auspicious applicable thousand dollars. Suppose their pearance; in hastening the time when the gov- place to be supplied by an equal number of oxen, ble dishes into which it enters, and the healthy and ernment of the state shall take the lead in promotation forty dollars each, which is a very high price, pleasant beverage which its juice supplies, we ing, by the liberal application of the public means. They will cost four hundred thousand dollars, and

wholesome beverage, which by proper attention, might be substituted for ardent spirits, the great eurse of the land, recommend it to our patriotism be greater or less. In this proportion, more or three thousand; the places of the remaining sevals as well as our prudence and our economy, and less labour and capital will be withdrawn from en thousand being supplied by seven thousand

District of Columbia; near Newbern in North works have been accomplised; and what have of the United States, that oxen are not adapted to Carolina; and near the mouth of the Wabash, in been their consequences? An unparalleled state so warm a climate as ours, and that they are so the state of Indiana. All these experiments have of public prosperity—a treasury overflowing—ag-much slower in their movement than horses, as produced, and are daily producing, the most say productive flourishing—population increasing with the formany purposes of draft. But tisfactory results. Winc of a very good quality unexampled rapidity—and, wealth flowing in on these opinions I believe to be in a great degree has been made in all these places. The product every side. Let the government of Maryland, erroneous. Much depends on the breed of the

be accustomed to a step nearly as quick as that classes of people in the constitution of the horse; and where the draft is heavy, his quantities are in some parts made into brandy, or there taken from 984 grains, which is equal to of the horse; and where it wants body is turned into vinegar. superior steadiness gives him a decided advantage. On this subject I can speak positively, from my own observation. In the course of the the cost of them is also considerable, and if they of seventy-eight grains of sugar, and of forty-six last three years I have had occasion to make two were to be had, it would be difficult for some journies, in those parts of the United States where persons to use them; I have therefore resorted two ownces is to seventy-eight grains, the deficioven are almost exclusively employed, in farm work of every description. They would be exclusively employed, in every thing that does not the must of the grape, from which a calculation the whole quantity in a gallon deficient, viz. 4992 require a quicker gait than a walk, if every farm er were not obliged to keep one or two horses, and which I believe, will answer all the purpo for purposes which do require a quicker gait .-These of course, when not not so employed, he does not suffer to be idle. They plough and sometimes haul, but not more quickly than the oxen ounce vial, with a cork, and then made a small which work by their sides.

TO THE EDITOR OF THE AMERICAN FARMER.

Vineyard, near George Town, D. C. Nov. 20, 1824.

DEAR SIR,-Upon my receiving the enclosed from my valued correspondent, Thomas Mc. Call, Esq of Georgia, I was satisfied that I put near double the quantity of sugar necessary into my wine, and I was obliged to put into some of my casks, a quantity of crude tartar to excite a new fermentation, so that it might decompose some of the saccharine matter that was in the wine that it might become alcohol, and take off the sweetness and to make it more dry, but I only partially succeeded, for my wine is generally yet too sweet for such persons who are in the habit of drinking Madeira and other dry wines; and my correspondents very frequently enquire of me-Why do you put sugar in your wine? And sayyou will never make good wine, until you cease adding sugar to it. Notwithstanding which, my wines are generally acknowledged to be very good, except by such persons whose tastes are vitiated by drinking of strong foreign dry wines; while those persons who are clear of prejudice, inform me, that they can drink much more of my wines, with less symptoms of intoxication, than they can of foreign white wines or Port, and that they are much better after it.

And I am certain that it is folly itself, to pretend, or expect to make good wines where there is not a sufficiency of saccharine matter, either sugar, or something equivalent in the must of the grape. I have therefore endeavoured to fix upon a standard, so as to give my wine a certain strength or body, to keep after it is properly manufactured, for an indefinite length of time. And in all coun-

the contrary not with standing.

be accustomed to a step nearly as quick as that classes of people in the country—considerable lightest musts pressed from my grapes, and eiwhere it wants body is turned into vinegar.

> saccharine matter contained in a given quantity of twenty-eight ounces, the weight of one gallon, to may be made to ascertain its specific gravity,ses of a saccharometer, and is so simple that any person may comprehend and practice it.

> trouble of weighing the vial in every operation. lieve to make wine to keep, the specific gravity I then took eight hundred and seventy-five grains ought not to be less than 1125.
>
> Of rain water by weight, at the temperature of 60° of Farenheit's Thermometer, and then with capal to three pounds of sugar in a gallon of must, refined sugar, which is equal to three pounds to per cent. But I am of opinion that it will be near one gallon of water, and carefully dissolved it in enough to answer all common purposes—as after ture, exactly to the mark I made when the rain alcohol, the wine will be about as strong as the this quantity of the mixture weighed nine hun- er than Champaign and Burgundy. dred and eighty-four grains-I then by the rule of three say, as 875 grains of rain water is to me a bottle of wine, which I shewed to several 984 grains of the mixture, so is 1000 grains to its gentlemen, good judges of wine, and they all

To exemplify this experiment, I make the following statement :-

There was of rain water 875 grains. double refined sugar 328 do.

Total weight of the mixture 1203 do.

Two ounces of the mixture by measure weighed 984 grains.

The sugar increased the quantity of fluid more than reached to the mark in the vial 215 grains.

Making in all 1199 do.

tries where there is not a sufficiency of saccharum of the sugar and water, leaves a loss of four grains Farmer next year, &c. and I have little doubt, but in the must of the grape, whether it be owing to in the operation, - and I found the specific gravity they will have a beverage equal to most Chamwet seasons or otherwise, they boil down the of lump sugar, the same quantity as in the first paign, and if it is too strong to drink in a tumbler, must to a consistency like treacle, to mix with experiment, to be 1127, and the loss in the ope- it may be diluted with water. What gave me their wines, others add honey, or brandy, and ration to be ten grains, which I attributed to the this idea, was a present of a barrel of crab-cider, some add both to give it a body so as to keep, except by the French and Germans; and notwith-siduum of lime. The India sugar, such as is which was clearer and had less mucilage in it, standing what people may say or think on this brought from the East Indies in bags-the trial than any cider I ever observed immediately from subject, the best Champaign I ever tasted, had the same as in the operation with the double re- the press, and it weighed as heavy as the richest the honey flavour, and I have no doubt it was ad-fined sugar. I found exactly the same result, viz. must I had from the grapes this year, viz .-- two

or for exportation,—whatever they may say to to trouble the reader with the result of them.

I then bruised a small quantity of grapes from

of the horse, sustain heat far better than others. that are made in foreign countries, is used in putting as such mast as reached to the two ounce lt should be our care to procure those that some way or other, within the year after it is mark on my vial—it was squeezed through a piece sustain it best. If the training of the ox be commade, and probably has not a greater body than on mustin, and I found the weight to vary from menced early, and skilfully conducted, he may our cider, and is used in the same way by all As saccharometers are not easily obtained, and one gallon, leaves a deficiency in the first instance grains in the other .- To elucidate this I say, as to another mode of arcertaining the quantity of ency of sugar to one gallon, so is one hundred and grains, which is equal to 11 ounces and forty one hundredths of an onnce, or very near eleven and a half ounces, avoirdupois weight, to one gallon; erson may comprehend and practice it.

Experiment 1st.—I took what is called a two ounces is equal to six and three quarter ounces, very near to a gallon of must, to be equal to bag, into which I put small shot, so as exactly to three pounds of sugar as above mentioned, to probalance the vial; the bag was made to save the duce a specific gravity of about 1125; and I be-

> a sharp file marked round the vial exactly at the but only such a proportion as where three pound height where the water reached—I then took is dissolved in a gallon, as the sugar added in-three hundred and twenty-eight grains of double creases the quantity of fluid from seven to eight the water-I then filled the vial with this mix- it is decomposed by fermentation so as to become water was in it, and weighed it carefully; and best Clarets, Lisbon or Bucellos wines, and strong-

> The writer of the enclosed, Mr. Mc Call, sent me a bottle of wine, which I shewed to several specific gravity, viz-1124 57:100.—This pro-portion of sugar I look upon to be the least quan-have made, and tasted as if it had been Madeira portion of singar 1 look apon to be the least guality or and Rhenish mixed,—part of the bottle I left cover principle necessary in the most of the grape with our Secretary of State, the Hon. John Q. sweet principle necessary in the must of the grape with our Secretary of State, the Hon. John Q. to make wine to keep for an indefinite length of Adams, but I have not had an opportunity of enquiring of him what was his opinion of it.

> > JOHN ADLUM.

Note.-The weights I made use of was the avoirdupois weight, viz. seven thousand grains to a pound, four hundred and thirty-seven and one half grains to the onnce, and sixteen ounces to the pound.

As there is a good deal of cider yet to be made in our Country, I would advise gentlemen to try the weight of the must, and add sugar or honey, to give it a proper specific gravity, according to the rules above set down, and attend particularly to funnigating the cask with sulphur, and rack and fine it after it has gone through its first fermentation, and bottle it either in March or June, Which, taken from 1203 grains, the total weight and communicate the result to the American ded to it. And although there is no people who the specific gravity 1124 57 100, and the loss in ounces by measurement weighted nine hundred make wine, honest enough (except the Spaniards the operation four grains — and thirty-eight grains.—The barrel holds thirtymake wine, honest enough (except the Spaniards the operation four grains — and thirty-eight grains.—The barrel holds thirty-and Portuguese) to acknowledge that they put I also tried at the rate of two and a half pounds four gallons, and I have added fifteen pounds of any foreign substance to their wines, I have no and two pounds of sugar to the gallon; but as I sugar to it, which is a small fraction more than doubt but that it is more or less practised by all believe three pounds to be the least quantity of 6 3-4 ounces to the gallon; and if I live, I intend nations who make wine, with the intention, either the sweet principle necessary to make wine to to inform you of the result, and I hope others will to keep in their own vaults for an indefinite time, keep for any length of time, it is not necessary try the same experiment and give the result to the public.

The must of the grape or cider ought to be I presume, though I have no information on those gathered to make wine; on different days, weighed before any fermentation whate er, has the subject, that eight tenths of all the wives and some were more ripe than others, and by taken place, as all the saccharine matter that is decomposed and becomes alcohol, will cause it to be lighter, until all is decomposed, when it will be specifically lighter than rain water.

P. S. I hope when you have leisure, that you will give Mr. Mc Call's letter in toto, as I am sure that it will be very useful to the public, and I feel much indebted to him for the valuable information that it contains, *

I have not yet had leisure to try any experiments on the milk, but intend to attend to it towards the last of the week.

N. B. Some persons may object to the expense of the sugar, but if it renders the cider so much better than it would be without it, and enables you to add when you are using it, one half or nearly so, of water, or possibly an equal proportion. I think it will be money well laid out, as the sugar will not cost more than two dollars if the cider is good.

Politicks of Agriculture.

SHEEP-KILLING DOGS.

[The subject of the following communication is one of too much importance to the farmers of Maryland and other states, to be much longer neglected .- The evil of sheep killing dogs, amounts now to a shocking, a dreadfu! grievance! and Legislators must apply a remedy or * subject themselves to the charge of a scandalous neglect of one of the most important conesteem, so disreputable, as that vulgar fear of popularity, which restrains men from the years. It is impossible to suppose that those particular classes or descriptions of people. entrusted with the powers of legislation, can be ignorant of the great detriment to the agricultural interest which arises from the constant liability of every farmer's sheep to be killed by dogs-not only the number of sheep is diminished to a tenth part of that which might be sustained with little or no additional expense, but the quality of those which are kept, reif those whose duty it is to provide a remedy, County get up a petition, "that your honours will provide such guards and penalties for the preservation of sheep from dogs, as may be most effectual, and your petitioners, as in duty bound, will ever pray," &c &c. The suggesof Maryland annually of half a million of dolwould increase the number and quality of sheep in Maryland to the extent of its capacity to rear and sustain them.] Edit. Am. Far.

*This letter, if sent to the Editor, has been As to the milk, our request to Major Adlum Cattle Show reports, where they say a cow gave so many *pounds* of milk, in such a time.—It would

TO THE EDITOR OF THE AMERICAN FARMER.

cally called the attention of your readers to a sub-out alone, and continue searching after game till ject of great importance to the farmers; and considering the common wish to promote the house-that, being under no controul, they chase the hold manufacture of woolen articles, it has be-sheep fleeing before them and destroy many. come interesting to the whole community. The Gipsies in a season of pride are suffered in all subject alluded to is the frequent destruction of neighbourhoods to run at large: in this habit of sheeh by dogs. This evil has increased so much, body the gipsy is followed by many dogs wherand is still so much increasing, as to demand the ever she chooses to lead; and the number inearly attention of the legislature; and it may be creases as she proceeds: they are out together hoped that immediate efforts will be made by the several days and nights; the dogs are constantly members of the several Counties to ascertain the fighting and tearing each other; for a long while extent of this calamity, and to reflect upon the they regard nothing but the particular object they means by which it may be restrained. My mind pursue; they become excited to frenzy by the has been engaged by the various mischiefs occa- wounds they receive and the rivalry which goads sioned by dogs for many years; an attempt was them on; and they are ravenous for want of food once made in the House of Delegates to provide and parched with thirst. In this condition every a remedy by the imposition of a tax; but it was flock by which they pass is in the atmost danger; opposed by certain members out of respect to and it cannot be doubted that in this manner mathe fox-hunters, and did not succeed. It too often ny sheep are captured and destroyed. It is prohappens that, though provisions in certain cases bably on such occasions that many dogs acquire individuals are found willing to bring them for they generally, singly or with some companion, ward: and the suggestions of any one person who continue to prowl after and destroy them. may venture to recommend a measure are frequently disregarded. The short, but pointed tion of dogs after having followed a gipsy for semanner in which you have expressed yourself concerning the destruction of these valuable animals, and wounded, the lankness of their bodies for your subscribers in this County, and probably in belief that these excitements constitute an origicerns of their constituents. There is no species other places; and by your instrumentality, the nal cause of canine madness. This belief may be of cowardice so prejudicial to the publick, and time perhaps has arrived when the observations submitted to the judgment of those who can reanone therefore, should be held, in the publick of an individual may be read with patience, and son upon such a subject; but if it be even possiproduce such reflections in the minds of others ble that the sufferings of dogs in such pursuits enactment of laws which are indispensable for In discussing such a question it will be necessary so deplorable in its consequences, this considerathe general good—in the apprehension of lost to use terms which would be offensive to delicacy in ought to have the strongest influence upon ing a few votes here or there! Yet has this if they could be well avoided: and to give the our endeavours to diminish their number, and reignoble apprehension been the bane of enlight- cure its full effect, it will be requisite to compre- strain their power of committing injury ened legislation in Maryland for the last twenty hend the case of all persons without regard to

tual remedy when we understand not only the dogs chained during the day and turn them loose many mischiefs which are suffered, but the man- at night. In this case the dog, if he can escape, ner in which they are generally occasioned. It is very generally goes abroad in search of compantherefore my purpose to present to you several ions or of mischief, and disappoints his master's facts existing in my neighbourhood relating to object; It is better to reverse the practice; for this subject; and to point out such provisions for then the dog is at home during the proper period restraining or preventing the evils which sur- to watch and give the alarm. Dogs are needlessmains unimproved from the same cause; -- and round us as these statements shall appear to au- ly increased in number by the indulgence of pathorize. If similar facts exist in other Counties, rents towards their children. require to be spurred, let the farmers in every the inhabitants will be able to judge whether the

to them.

bound, will ever pray," &c &c. The sugges-person, without distinction, seems to enjoy the tions of Mr. Hammond are the best we have liberty of keeping them. Slaves upon the planseen, and might be taken as the principles of tations of many masters are allowed to keep master's call. a Bill that would result in a saving to the State them; and their dogs follow them openly wherever they choose to go. Many wretched families lars; such would be the effect of any law that own them, who are sometimes without food for only probable, it appears to me that certain prothemselves. A poor man, not having sometimes positions may be reasonably raised, the adoption a pint of meal in his house, has two large dogs, of which may be considered likely to lessen the As such dogs can get little or no food at home, evils of which there is so much cause to complain. they must go abroad in search of it. The free

in greater numbers together; and the young men and school boys take them frequently out to hunt-SIR, -In your late numbers you have emphati-ling. After acquiring this habit, the dogs go often they are weary and hungry; and it is believed are admitted by most persons to be necessary, few this destructive habit; and when once initiated,

Having frequently observed the wretched situaend solicited your readers to disclose a proper want of food, and the extreme irritation to which remedy to prevent it, has roused the attention of they must have been roused, it has been long my as may lead to wholesome and efficient provisions, may produce a distemper so horrid in itself and

The sportman's dog is as prone to kill a sheep, articular classes or descriptions of people.

It will be more practicable to provide an effective of this animal. Some owners keep their

Castrated dogs are much more harmless than provisions proposed, or what others, are suitable others: they are as useful and capable of instruction as those that are entire: they may be ren-Dogs of all kinds, uscless and useful, abound dered as vigilant and even as fierce: they are in very great numbers in this County; every equally ready for the gun or the chase,—are much less disposed to ramble from home, -and may generally be found within the hearing of their

> Upon the foundation of these facts and of their alleged consequences, whether these be real or

It may be proposed to levy and collect an annegroes in all quarters keep them without license; mual tax of one dollar upon every dog, and two mislaid, and when recovered, shall be published, the law upon this point being utterly neglected by dollars upon every bitch, which may be kept, magistrates and constables. A little bitch, now harboured, or owned by any person within this was to weigh the milk of different cows, that we commonly called a gipsy, is very frequently pre-State. That for this purpose the Justices of the might understand the language of the Eastern terred by these people; such of them as propose Levy Courts should annually in the month of to visit a house in the night, take this animal April, ascertain and describe upon their records so many hounds of milk, in such a time.—It would with them to keep the dogs quiet; and to be thus the bounds of the several hundreds in their rebe well too to ascertain, whether a given measure enabled to accomplish their purpose, whatever spective counties, and assign a special and sufficiency of one course milk heir purpose, whatever spective counties, and assign a special and sufficiency of one course milk heir purpose. of one cow's milk being heavier than another, the it may be. More mischief is effected by dogs in cient constable to each hundred; whose duty it yield of butter is proportioned to the difference the neighbourh od of towns, than at a greater should be to call upon the inhabitants therein be of weight.

distance from them: in these they are collected tween the first and fifteenth days of May in every year, and to make an alphabetical list of all per-sons keeping, harbouring or owning any dog or a preventive.—Making the amount so large as bitch, and to set down the number of each kind; that few persons would encounter the expense County on or before the first of June, to be laid be imagined. before the Levy Court. Duplicates of these lists should be delivered to the collector, who should be required to charge and collect the taxes in the same manner as the County assessments. The constables should be subjected to a penalty for neglect of duty; and should be allowed a fee of twenty-five cents for every dog or bitch truly returned by them, to be levied and collected for their use in the assessments of the County. The cided taste for rural sports, particularly the man-master should be charged with the tax for every ly and healthful exercise of Partridze Shooting. dog or bitch which he should allow his servant (which, in fact, I regard as one of the accomplishor slave to keep, harbour or own It should be ments of the country gentleman,) and having purthe duty of the constable on his own view, or on sned it with great zest for about thirty years, I the information of others, to kill and destroy, or remarked with interest your notice in the last cause to be killed and destroyed every dog or bitch number of the American Farmer, of the match which any free negro or mulatto should keep, recently shot at Waverly, between four gentleharbour or own without the license of a magis-men, who bagged 86 birds. This is undoubtedtrate regularly renewed according to the Act of ly very fine shooting, and worthy of insertion in November 1806, ch. 81. If so licensed, the dog your Journal: it induces me to give you the result or bitch to be taxable, and returned like those of of what I witnessed at Wheatland, the residence other persons. The owner or keeper of any bitch, of the Turner, Esq. the 13th of the present who should suffer her to go at large during a sea-month. Mr. Thomas R. Hammond of Charles soo of pride, should be subjected to a penalty; and Town, came out to breakfast; at between 10 and moreover it should be lawful for any person to 11 o'clock, Mr. T. and he entered the fields todestroy her. If any dog or bitch so returned gether; at about four in the afternoon their amuupon the list should die or be destroyed before nition was exhausted, when Mr. H. had bagged the Levy should be closed, it should be lawful for sixteen brace of birds*—If Mr. H. had been stithe justices, on being satisfied of the fact hy mulated by competition—if they had commenced comp tent proof, to exonerate the party from the shooting earlier, and continued later, from the tax. If the party so charged should be insolvent abundance of game, there can be no doubt that or unable to pay the tax, it should be the duty of he would have killed a much larger number of to be destroyed; otherwise he should be answera- gentleman's performance, and the proficiency to ble for the tax. The taxes to be so raised should which he has brought the art of shooting; there he applied to the benefit of the respective Coun- is no doubt of the moral tendency of this elegant ties: but if the corporate bodies of any city or amusement, and its salutary influence on healthtown should elect to pass ordinances imposing the like taxes and penalties, and containing the like The favorable anticipations I expressed to you that all castrated dogs should be exempt from prospects for the next are all that we could the tax.

I have been perhaps too particular in stating the grievance we endure, and in suggesting the remedies which may tend to diminish it. But it is felt severely; and these observations may excite the inquiry and stir up the reflections of other farmers; and if suitable provisions can be made to preserve our flocks from these destructive animals, I trust the members of our Legislature will have the wisdom and firmness to enact them without regard to the prejudices or clamour of any class of individuals.

I am, Sir, respectfully, Your obedient servant. St. Aubin, Talbot Co. N. HAMMOND. Md. Nov. 20, 1824.

HOW TO GET RID OF SUPERFLUOUS DOGS. AND SAVE OUR SHEEP.

DEAR SIR .- I perceive you are enquiring into the means of "protecting sheep from depreda-tions by dogs;" and therefore throw in my mite of suggestion. Every one doing the same, something good may be hit upon.

A direct attack upon the dogs in our State, best, might be moderate at first; and from and af- has killed 29 birds in succession.

which list he should return to the Clerk of the of keeping one. The consequence may readily Respectfully yours,

Nov. 20, 1824.

Rural Sports.

FOR THE AMERICAN FARMER.

"Sir-Having always myself entertained a dethe collector forthwith to cause the dog or bitch birds. Nothing can excel the brilliancy of this

provisions, then the monies so raised should be in my last letter, as to our then growing crop of applied to the benefit of such towns and cities. wheat, have been fully realized; it is many years. These regulations might be qualified by a proviso, since we had so good a harvest, and our present.

> Whitehall have perhaps with some reason believ-A bet of \$1000 on the result has been offered and became necessary, the axle sprung considerataken. Good feeling seems to prevail on both bly, though of the best of white oak. The inner wheel is constructed by two shafts mense concourse of spectators may be expected.

The distance, from Whitehall, round the frilosing party to an entertainment. This is as it should be, and we anticipate no debasing conduct structor can judge. on either side. [New York haper.

slut about their houses; and therefore few would to accept a challenge from any two gentlemen of diameter are raised with great ease, and the mabe roused by a tax on hem. This tax, if thought either shore—We have heard it said that each chine is considered, by those who have used it, a

Novel Inventions.

FOR THE AMERICAN FARMER.

MACHINE FOR RAISING STUMPS.

[The valuable communication which follows, was obtained by Mr. Prince, of Massachusetts, from the writer in New-Hampshire, in consequence of a request for information, expressed through this journal. The information thus obtained from one end of the Union is printed here, in its centre, and then diffused through every State and Territory for practical use and general benefit. It is one case of a thousand, that illnstrates the value of a National Agricultural Jour-

Meredith, (N. H.) Nov. 17, 1824.

JOHN PRINCE, Esq.

Dear Sir,-I cheerfully comply with your request for a description of the machine for extracting stumps, as used in this vicinity. The only one in my immediate neighbourhood, was constructed for Daniel Avery, Esq. of Gilford. It consists of three wheels; two on an axle eight feet and an half between the naves, twelve feet in diameter. The third, is framed into the axle one foot from the nave, and is eight feet in diameter. The axle is about twelve inches in diameter, and at the centre, a strong staple with a hook appending to

To this hook one end of the chain is hung, while the other is put about the trunk or root of the stump to be raised, as its size shall determine. The chain that wraps the stump should be large and of good iron. The one here in use, weighs about one pound to an inch, and the wire is nearly, or quite, one inch in diameter. Notwithstanding this size, it has often been broken. The power of the machine is put in operation by ma-king a chain of a small size fast on the centre wheel, and to this apply your strength. One yoke of oxen is enough to work the machine, and on plain land it is usually moved by men. Four hands are necessary to its operation, and this is sufficient to take up an acre in three or four days, depending on the abundance or scarcity of stumps.

The land on which this machine has been used, is plain and rather sandy, therefore, the trees rooted downward rather than spread off broadly. High Sport.-For a long time, the boatmen of On clayey ground, the roots extend much further abroad, and an axle of this length would not be ed, that in speed and dexterity, they are not sur-long enough to work with convenience. Another passed by the oarsmen of any country. It seems improvement I think might be made, by making the mariners of England entertain the same opi- the outside wheels fourteen instead of twelve nion of the naval architecture and skill of that feet, and the inner one ten instead of eight feet. country; and to bring the subject to actual expe- The axle should be at least fifteen inches in diriment, Capt. Harris, of the British frigate Hus- ameter, and of the best wood. The boxes inside sar, now in this port, has proposed a contest, to should be twelve inches; as I have noticed while take place on the first fair day after to-morrow, this machine was in operation, and much power

indulged than those of national pride. An im- passing through the centre of the axle at right angles, with two inch plank framed into these shafts, or arms, and on each side plank, an inch gate Hussar at anchor in the North River, and od a half board, to keep the chain about the back to the place of starting. There is a great wheel in its proper place. Inch and a half in excitement, but no unmanly feeling. It is mutu-diameter, or perhaps inch and a quarter corlage, ally agreed, that the winning, shall treat the would answer the purpose, probably more conveniently than small chain; but of this the con-

The naves and spokes are white oak, the fellows yellow pine. It will be understood that the would almost create a civil war; it would at least cause a turn out. Suppose we attack the dogs through the s'tuts. Few persons like to have a best shots in America, and believed to be ready oxen are to be applied. Stumps of twelve inches oxen are to be applied. Stumps of twelve inches simple, but valuable invention. This is not the

only, and am not able to give any description of is £250,000. it. I think the one I have described the best, Mr. Steven however, that I have seen.

doubt on any part of the description, point it out, Liverpool. The object to which his attention

and I will endeavour to remove them.

I am, Sir, as alway, Yours, &c.

STEPHEN C. LYFORD

Scraps from Foreign Papers.

Preservation of Fish, &c. For ensuring the sweetness of fish conveyed by land carriage, the belly of the fish should be opened, and the internal parts sprinkled with powdered charcoal. The same material will restore impure or even putrescent water to a state of perfect freshness. The inhabitants of Cadiz, who are necessitated to keep in tanks the water for culinary uses, were first indebted to our informant, during the late Peninsular war, for the foregoing simple, yet ef-British Board of Longitude, has connected, by ficacious remedy of an evil which they had long chronometrical observations, the trignometrical endured.

It is generally supposed, that Ministers will avail themselves of the first opportunity to effect of Europe may be now said to form one system—an alteration of the Corn Laws—proposing to M. Arago and Capt. Kater having two years ago keep the ports constantly open to Foreign Grains connected the Surveys of England and France by 7d. Rye, 29s. 1d.

Metropolitan Marine Company .- The follow ing is an estimate of the probable returns of each of the proposed establishments of this most ne-

gessary and useful concern :-

200 warm salt water baths, for three hundred days, 2s. 6d. 20 medicated, vapour, gaseous, &c. for 300 days, 5s. 50 fresh water warm baths, for 300 days,

1s. 6d. 300 ladies, children, and female servants, private cold sea baths, for 150 days, 1s.

200 gentlemen, single private plunging cold sea-water baths, for 180 days, 2s. 500 gentlemen in the grand swimming bath

of sea water, for 150 days, 1s. 3750 500 ditto. in the secondary ditto. for 150

days, 6d. 2000 journeymen, &c. one day, in each 525 week, for 21 weeks, 3d.

£21,525

The plan is to commence operations at the nearest point of the coast between London and the Nore, which may afford water of sufficient purity. This will be about thirty-five miles from town. At this point it is proposed to form, be twixt high and low water mark, one or more considerable reservoirs enclosed by flood-gates. At the rise of the tide the waters will be permitted to flow into the reservoir, the gates of which will be shut at high water. Upon these reservoirs a steam-engine of from 80 to 100 horse power will be erected, and employed to raise a continual supply of water from the reservoirs to a smaller reservoir or cistern placed at the height of 150 or 180 feet above the surface of the water in the large reservoir. From this higher position a line of pipes will commence to lead through the country to London, as the New River pipes pass from 150 cmts—best white, \$1 a \$1.06—Corn, old, \$2.00 a 22 cts.—Whiskey, including barrel, 26 cts.—Apple Brandy, 25—Clover Seed, white, press—Editor's notices—Prices Current—Advertisements, &c. ply of water from the reservoirs to a smaller re

Mr. Stevenson, the engineer, has taken a surwas more particularly directed, was to discover the most practicable passage over the hills about Ape Dale, which, by their continuity and eleva-tion, oppose the chief obstacle to the execution of the plan. Should the projectors of this great 121 cents. work succeed in obtaining an Act of Parliament, they propose to convey heavy goods between Liv erpool and the Potteries, at the rate of eight miles an hour, and half the present cost of canal carriage.

Sir Humphrey Davy, in his recent voyage in the North Seas, ascertained that his principles of protecting the copper sheathing of ships by the contract of 1-200 of iron is perfectly successful even in the most rapid sailing and in the roughest sea; and Dr. Tiarks, under Sir Hum-rary selections are made from all the prominent phrey's superintendance, and by direction of the magazines and journals of the London press. chronometrical observations, the trignometrical paper, in the imperial quarto form; and is forsurveys of Denmark and Hanover with that of warded by the southern mail of the same day. England, so that the triangulation of a great part at a high duty. The present average prices are: observations between Calais and Dover. In the —Wheat, 54s. 6d. Barley, 30s. 10d. Oats, 22s. course of Sir Humphrey's expedition to the course of Sir Humphrey's expedition to the North Seas, the longitude of the Naze of Norway (a point of great importance in navigation) ble as a deep milker. has been accurately ascertained, and some other useful data for connecting the nautical maps of from Laura. Europe, gained.

VOLUNTEER PREMIUMS-NEW LIST.

A Silver Cup valued at \$20, to be given to the 15 dollars. owner of the best calf, reared by hand, and to be not less than ten months old, to be exhibited at the next Cattle Show for the Western Shore -The owner to furnish a written statement, for publication in the American Farmer, of the mode ries proof upon her carcass of tendency towards pursued, and the cost, including a reasonable fat.' charge for attendance-economy and effect to be taken into view-By D. WILLIAMSON, Jr.

THE FARMER.

BALTIMORE, FRIDAY, DECEMBER 10, 1824.

The Maryland Agricultural Society will meet at Barney's lim, Light-street, то-монном мончью, at 10 o'clock, nia. It is hoped that gentlemen in the country will endeavour to attend, and that the meeting will be full. Members may then receive their Diplomas; and those only have a right to participate in the proceedings, who pay \$5 per annum.

PRICES OF COUNTRY PRODUCE,

CAREFULLY COLLECTED EVERY THURSDAY FOR THE AMERICAN FARMER.

Flour, Howard-Street, \$5 a \$5.25-do. wharf

only machine which has been invented and used for the purpose of extracting stumps. There is to supply fresh water to the houses in London. one in use by a Mr. Larbour, in this county, which These pipes it is intended should be from 24 to Herds grass, \$2.50—Orchard grass, \$2.50. do. \$5.75—Timothy, \$2.50—Orchard grass, \$2.50—Herds grass, \$2—Herrings, No. 1, \$2—No. 2, one in use by a Mr. Larbour, in this county, which is these pipes is included in the capital demanded \$1.75—Hay, per ton, \$10—Leather, best sole, 24 operates by a lever; but I saw it for a few minutes 30 incles in diameter. The capital demanded \$1.75—Hay, per ton, \$10—Leather, best sole, 24 a 27 cents—Feathers, live, per lb. 32 cts.—Cotton, Louisiana, 16 a 18—Georgia, Upland, 15 a 17— Alabama, 13 a 15—New Wool, 30 a 35—Merino vey of the country between Nantwitch and New-Alabama, 13 a 15—New Wool, 30 a 35—Merino You, Sir, are at liberty to make any use of this castle, with the design of ascertaining the best full blooded, 35 a 40—\frac{3}{4} do. 30 a 35—\frac{1}{2} do. 25 a 28 that you may think proper; and, if you are in line for a branch rail-road, from Birmingham to -Common, 20 a 25 cts.-25 per cent. more when well washed on the sheep and free from tags— Turpentine, \$2 a 2.25—Coal, pit foreign, 40 cts. -Virginia, pit, 20 a 25 cents-Susquehannah, do. \$6.50 a \$7-Lime, bushel, 30 a 33 cents-Pork, hog round, \$3.50 per cwt.-Hams, last years.

THE ALBION,
A paper devoted exclusively to foreign news. and literary compilation, is published weekly in New York. Besides the ordinary record of political events abroad, the Albion republishes in full, the debates of the British Parliament on all important subjects; and the decisions of the Eng-

The Albion is published every Saturday on fine

Subscriptions received in this city by Messrs, E. J. Coale & Co. opposite the Post Office. Terms,-six dollars per annum, in advance.

Improved Stock for Sale.

SUSSEX, a bull two years old, begotten in England, on Laura, a singularly fine cow, remarka-

FROLIC, a bull nine months old, by Bishop,

These bulls were bred by Mr. Powel, and were particularly noticed at the late Pennsylvania Cattle Show, where Sussex received the premium of

At the exhibition of 1823, the judges, who were all practical men, stated in their report :-

"Laura, an imported heifer, of two years, has

"Sussex, of twelve months, from Laura, was begotten in England, has long frame, small bone, head, horns, and neck, and very strong points of high breeding."

(See Memoirs of Pennsylvania Agricultural So-

ciety.)

He is of a dark mahogany red; with no white, except a very small spot under his belly, and ap-Which multiplied by 5 would give a \(\varepsilon \) 107,525 for the space allotted to Rural Sports and Sports points, and is one of the largest, and finest calves of his age, which have been shown in Pennsylva-

Laura was selected in England, by a farmer for his own use. Bishop is equal in pedigree to any bull in Great Britain or America, as may be seen by the Herd Book; and is the sire of four bull calves, which have recently been sold at Powelton at \$200 each.

WM. F. REDDING.

CONTENTS OF THIS NUMBER.

General R. G. Harper's Address delivered before the

AGRICULTURE.

MEETING OF THE

MARYLAND AGRICULTURAL SOCIETY

FOR THE ELECTION OF OFFICERS, &c.

Agreeably to public notice, in the American Farmer, and the several newspapers in Baltimore, the Maryland Agricultural Society met at presented to R. Smith, Esq. for his services and the Fountain Inn, in the city of Baltimore, on attention as President of the Society, and that the Saturday last, the 11th December, at 10 o'clock, Corresponding Secretary be instructed to notify A. M. for the election of officers, and for the him of the same." transaction of other business.

publick annual exhibitions; and was composed to proceed to Annapolis to request the patronage almost exclusively of substantial, practical far- of the Legislature to the efforts of this Society, mers, many of whom came in, from the distance and that they be requested to prepare a law, supof fifteen miles, and in every way manifested an plementary to the charter of its incorporation, earnestness of design, and real solicitude upon with such provisions as they may deem necessathe subjects that were brought under considerative, and that they prepare also, a memorial to tion, which gave the assurance that the farmers the Legislature, praying the enactment of such now see the bearing of this society, upon the laws as may be immediately necessary for the great objects of their pursuits and labours; and protection and promotion of the agricultural in-that they are now resolved to take it in hand, terests of this State. cherish and support it, and turn it to the best account; and this is all that was necessary to responding Secretary to prepare a memorial to ensure for it, the beneficial effects upon the be printed and circulated on the Eastern and the President on the subjects of ploughing, malanded interest of the state, for which it was Western Shores, praying legislative aid to the nuring, and rotation of crops, a communication originally instituted. We trust there will be no Society; and the Treasurer was required by a relaxation of activity. Let the gentlemen, to resolution of the Society, to call on the President, ments made with plaster paris and clover, was whose management the concerns of the society the Treasurer, the two Secretaries, the Collechave been committed for the next year, feel, and tor, and each one of the Trustees of the Society, act upon that feeling, that the trust they have for the last year, to make return to him of the former meeting, was ordered to be transmitted to undertaken, is for the benefit of the publick and names of the subscribers obtained, and of the dictors of the American Farmer, American of posterity—that it is one of great respectability, monies collected by them, in pursuance of a Economist, Knoxville Enquirer and Knoxville and of the more honour, as its only reward is the resolution passed by the Society on the 4th day Register, for publication. Thomas G. Watkins, of posterity—that it is one of great respectability, monies collected by them, in pursuance of a and of the more honour, as its only reward is the resolution passed by the Society on the 4th day consciousness of promoting and doing good, in of December, 1823, in the following words:—the most important concern of human life—the "Resolved, That it be the duty of the Presicultivation of the soil, to produce the very means dent, Treasurer, the two Secretaries, Collector, of our subsistence, and of all our comforts. Let and each member of the Board of Trustees, to no trustee be satisfied with waiting for the time use all convenient means to procure regular subof meeting, to think of the affairs of the society. scribers to the Maryland Agricultural Society, honour bound, to make them, the subject of every than five dollars each, and that each one of the day's meditation, as connected not only with the said persons make return to the next meeting of station assigned to him by the confidence of the the Trustees, and each successive meeting, of society, but connected also with the improvement the progress then made in procuring such subof his own estate, and the welfare and character of those who are to come to its enjoyment after him. When ever any thing occurs to him, that one of the by-laws of the Society: he may think would be useful in promoting the or treasure it up in his memory, to be proposed and discussed at the next meeting of the suggest, or do, the least, but who shall contrive measures most conducive to the success and the fifty dollars for his services." popularity of the society. Let the meeting of trustees be held at an early hour, and not so much

for eating and drinking, as for "doing the work!" At eleven o'clock, Gen Harper took the chair, and James Howard, Esq. acted as secretary.

The society proceeded first, to the election of

officers, when,

ROBERT OLIVER, Esq. was unanimously e tected President-and the

Hon. EDWARD LLOYD, Vice President.

JAMES COX, Treasurer.
JAMES HOWARD, Secretary.

J. S. SKINNER, Corresponding Secretary.
Dr. GIRARDIN, Professor of Botany—and
JULIUS T. DUCATEL, Professor of Agricul-

tural Chemistry.

The following trustees were then duly elected:

Charles Ridgely, of Hampton Robert G. Harper. N. M. Bosley.

James Carroll, Jr. David Williamson, Jr. Christopher Carnan. B. W. Hall.

H. V. Somerville. Jacob Hotlingsworth. Richard Caton.

George Howard—and Allen Thomas.

A by-law having been enacted to elect an additional Trustee, making thirteen in all, George Cook was duly elected.

The following resolution was then passed.—
"Resolved, That the thanks of this Society be

A committee was appointed, consisting of Gen. The meeting was the most numerous that had Harper, Gen. T. E. Stansbury, Col. N. M. Bosever been assembled, except on occasions of ley, Doctor A. Thomas and Jacob Hollingsworth,

Let it be his pride and his pleasure, as he is in for the space of five years, and for a sum not less scribers.

The following resoulution was then adopted as

" Resolved, That there shall be appointed a objects of association, let him commit it to paper, Register and Librarian to this Society, whose duty it shall be to keep its books and papers, and a fair register of all the proceedings, as well of the trustees. Let the contest be, not who shall Society, as of the Board of Trustees, and that he be entitled to receive an annual compensation of

> An election was then held, pursuant to the above resolution, for the appointment of "Register," when William F. Redding was unanimously chosen. A vote of thanks was also passed to Mr. copies of an address delivered before the Agri-Redding, for his past valuable services and atten-cultural Society of Albemarle, by James Madition to the interests of the society.

of Premiums, to be offered by the Society at their same to be published, if practicable, on or before Mr. Lundy, for their donations. the first day of February next.

" Resolved, That the Board of Trustees be instructed, if they deem it advisable, to procure a room at a rent not exceeding fifty dollars, for the use of the Maryland Agricultural Society, and that they take such steps as they may deem expedient for the establishment of an Agricultural Library for the use of the Society."

Gen. Harper having retired from the room for

sence, by Gen. Stansbury, when the following resolution was unanimously passed :-

" Resolved, That the thanks of this Society be presented to Gen. Harper, for the able and interesting address delivered by him to the Society, at their fast annual meeting.

The meeting then adjourned sine die.

J. HOWARD, Sec'ry.

WASHINGTON AGRICULTURAL SOCIETY Jonesborough, T. Oct. 27, 1824.

SIR,—I am instructed by the Washington Agricultural Society to request that you will, if convenient, insert in the American Farmer, their proceedings at the last meeting, which you will find on the enclosed part of a newspaper. Very respectfully,

J. S. SKINNER.

D. A. DEADERICK.

PROCEEDINGS OF THE WASHINGTON COUNTY AGRICULTURAL SOCIETY.

Jonesborough, T. Oct. 11, 1824.

The Society met, the day in course, when the proceedings of the last meeting were read by the secretary. After some pertinent remarks from read; which, together with communications submitted by O. B. Ross and D. A. Deaderick, at a M. D. President, having declined a re-election, put in nomination the name of Thomas Emmerson, Esq. who was unanimously elected. At the same time the following officers and committees were unanimously elected to serve for one year.

Isaac Hammer—first Vice President. Henry Marsh—second Vice President. O. B. Ross-Corresponding Secretary. D. A. Deaderick-Recording Secretary. John Ryland-Treasurer. Elbridge Sevier-Librarian.

Doctor T. G. Watkins, John G. Eason, Henry Hoss, James Sevier, Esq. James P. Taylor, Esq. Elijah Embree, Montgomery Stuart, James M' Alister, Robt. Reeve,

Committee of Correspondence.

Sam'l G. Chester, Wm. Mitchell, Esq. Committee of Accounts. Sam'l Hunt,

The President presented to the Society, two son, President of the Society. Benjamin Lundy "Resolved, That the Board of Trustees be, presented ten copies of his agricultural work, and they are hereby requested, to prepare a list entitled the Monthly American Economist.

On motion it was resolved, that the thanks of next annual exhibition, and that they cause the the Society be returned to the President, and to

Extracts from the minutes.

D. A. DEADERICK, Sec'ry.

COMMUNICATIONS.

Jonesborough, Oct. 11, 1824.

DEAR SIR,-The excellence of its quality, and the contiguity of the Virginia plaster, to our section of country, renders it an object of intea few minutes, the chair was taken in his ab-lest to farmers, to become speedily and well acquainted with its general properties, and applinow to be detailed. In the spring of last year, easily attainable. (1823,) I sowed with oats, four quarts of clover seed, on a part of an exhausted field, or rather tired by twelve or fourteen successive crops of corn, the pick of which, the same year, produced less than twenty bushels of corn to the acre. When this clover seed was sowed last year, I had not plaster to roll the seed in, nor enough to plaster any but a very small part of the clover, after it was up high enough to be benefitted by plaster. The small portion of clover, over which plaster was sown, sprung up high, and much of it went to seed the first year. The balance was very much inferior to the plastered part. My neighbours were called to see the difference. This was the best commentary that could be made on the use of plaster, on my farm—and they were satisfied. This year, on the first of March, 1824, one bushel of finely ground plaster to the acre was sown over one half of the last year's sowing of clover, with the exception of a small strip, purposely left unsown. On the first of April ensuing, the balance of my last year's sowing was served in the same way, with another strip purposely left unsown with the plaster.—By the 10th of June ensuing, the crop was ripe enough to cut.-Unavoidable circumstances caused it to be delayed nearly a fortnight longer. Before cutting, my neighbours were again requested to observe the difference between the main body of the clover, sown with the plaster, and the neglected strips. Again they were satisfied .- The difference was infinite. The unplastered strips were literally unworthy of mowing,—the balance upon a satisfactory estimate of my manager was admitted to have produced at least five thousand weight of good hay to each acre. It is necessary here to remark, that upon land as much exhausted as this of mine, two bushels of plaster to the acre, would have been the better quantity-but I had it not to spare. Six quarts of clover seed, too, would have been the better quantity to have sown per acre; but my manager had never sown clover seed before, and from bad health, I was unable to sow more than just to show him how. The subject of this communication is to prove to the Society, the safety and utility of going to the expense of pro-curing plaster for clover at least. With the reasonable, perhaps enough for this purpose has already been said; but it may be useful to reduce the result to figures-and prove the profit, as well as the principle. During the year of my experi-ment, I paid for hay, 3s.; for corn, 2s.; and I believe those to be the general rates.

5000 wt. of hay, at 3s. per cwt. is pr. acre 1 bushel of clover seed do. \$25.00 12.00

20 bushels of corn, at 2s. is \$6.67 Add one third for fodder, &c. 2,22

8.89

37,00

Agreeably to this estimate, the difference be-icontained less than thirty families eight years

TH. G. WATKINS. OLIVER B. ROSS, Corresponding Sec'ry, &c.

Jonesborough, April 12, 1824.

To the Agricultural Society of Washington Co.

I would suggest to the consideration of the Society, the utility of appropriating a small sum to among the practical members of the Society. The Ruta Baga and Mangel Wurtzel are plants highly recommended as affording productive crops valuable alike both for the table and stock, and are not perhaps much known among us .- Judge Emmerson, can perhaps give some information of them.—Would it not be advisable to procure a small parcel of these seeds for trial, that the farmers may without much cost, either of money or labour, test the valuable properties of the plants, and the country at large derive their ad-Respectfully,
O. B. ROSS. vantages if any?

To the Washington Agricultural Society.

Fully aware, as I am, of the little weight any thing I can say on the subject of agricultural implements would be likely to have, I shall nevertheless, venture to suggest the propriety of adopting some measures to procure a good plough from some approved maker; such an one as might serve as a model, by which others could be made. ing information of such an one if known. We Every one will, I have no doubt, readily admit have a grape of that description here; indeed, it the imperfections of the plough in common use is quite common along the shores of the Missou-in this country. We want such a plough introdu-in this country. ed, as will effectually turn over blue grass and other swards, so as to prevent their injuring the crops of small grain, which may be sown on them. If a plough could be procured from the eastward, such as the best farmers there approve, and undergo a trial before a committee appointed by our Society, who were themselves practical farmers, and have, if it deserved, the recommendation of the committee; then would there be some hope of such plough being brought into extensive use amongst us. Approbation thus given would carry with it a weight that cannot be exwould carry with it a weight that cannot be exion from the introduction of the im
I have no doubt but this grape may be much

I have no doubt but this grape may be much sed in the use of it.

D. A. DEADERICK.

CULTIVATED AND NATURAL PRODUC-TIONS OF MISSOURI.

Fountain Cottage, near Fort Osage, (Mis'ri) Sept. 12th, 1824.

TO THE EDITOR OF THE AMERICAN FARMER.

Sir-You must be aware, that in this remote section of the country, agriculture is yet in a very rude spicy, surpassing as I think any grapes I have state. A tract of country comprising four coun-\$28.11 ties, and not less than two thousand square miles, very juicy and may be good wine grapes—culti-

cability to our climate and soil. Under this imtween the corn and clover part of my crop, is
pression, I have turned my attention early to \$28.11, for it is fair to allow, that the improvethe subject, and through you beg leave to commumicate to the Agricultural Society, the result of
my own experience, enquiries and observations, will contend, that the culture and securing an acre
my own experience, enquiries and observations, will contend, that the culture and securing an acre
my own experience, enquiries and observations, will contend, that the culture and securing an acre
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my own experiences, enquiries and observations, will contend, that the culture and securing an acre
my own experiences, enquiries and observations, will contend, that the culture and securing an acre
my own experiences, enquiries and observations. Estimating the cost of plaster when delivered of corn, is less trouble and expense than an acre ries, you may well suppose that there are yet inon our farms—and attentively considering its of clover. I am so well satisfied of its importance numerable huge stumps and dead trees on most comparatively inferior good effects, upon all our to my interest, that I sowed twenty additional productions except clover, I shall confine my recarres of clover, this year; on which I intend to marks to that article alone. If clover is the on-sow two bushels of fine plaster to the acre, about tobacco; the chief aim has been plenty of hog ly article of produce calculated to make it really the first of March next .- I have no doubt that and hominy. Since the lands have been surprofitable for us to procure plaster, so I consi- plaster sown on the young clover the first year, veyed and offered for sale, and most of us have er plaster as the only species of manure, calculated to make it profitable to raise clover.—Gene- will be equal to the cost, my experiments have vails; and I am happy to say, that there now exral information, from sources upon which I can not yet satisfied me. Let us not incur additional ists, generally, a very strong disposition to intro-rely, confirms the result of my own experiments, expense upon doubtful issues, when certainty is duce the culture of tobacco, all kinds of small grain, fruit trees, &c. &c.; and it is very desirable that in the offset, we should obtain the best seed that we can. It is probable that tohacco and hemp will be the staple productions of the soil of Missouri; and I am of opinion that the fine vellow tobacco, (now almost exclusively raised in Maryland) may be produced here to some advantage; and if I can procure some genuine fresh seed in time, I will try the experiment, and prevail on some of our experienced tobacco planters to try it also next season. Our fields are yet too new and fresh, to expect even tolerable crops of wheat from them-very few of them, however, have been seeded, and scarcely any of them properly prepared for wheat. An opinion seems to be gaining ground, that fall wheat will not answer here, and that we must sooner or later adopt spring wheat-I am a little apprehensive myself, that such may be the final result, but will not yet give over the hope, that when our fields are a little more worn and better prepared, fall crops will succeed extremely well. Meanwhile, I am desirous of trying the white flint wheat, which from the account given of it by your correspondent, appears to me to be extremely well calculated for this soil and climate, and I have no doubt will be a very valuable acquisition to our farmers; and I have not the least doubt but you will, after this explanation, send me, as requested, some of that, and the yellow tobacco seed.

I observed some time ago in the Farmer, an enquiry for a grape that ripens in July, and requestri-It is known by the name of slue grape, which it obtained from its being chiefly found along the banks of the narrow channels, or as they are commonly called, slues of the Missouri, behind the islands and large sand-bars. It is a small grape about the size of a large buck shot, grows in rich clusters or bunches, rather too acid for the table though pretty good for the season. It ripens from the 10th to the 20th of July generally-The vine runs and spreads immensely, co-

removed about a dozen young roots (from layers) into my garden, where they are growing very luxuriantly, and will probably bear fruit summer after next. If this grape is thought desirable in your quarter, it will afford me much pleasure to send some slips and young roots to Baltimore, if the means of conveyance can be had.

This district of country abounds with wild grapes in very great variety; some as large as musket balls, others of the size of poke berries: some of them are extremely sweet and rich and

vation will doubtless ameliorate and improve any of them. I have several kinds already transferred from the woods to my garden, and shall continue to make other transfers, as I discover new and valuable varieties. It is very difficult, I find, to propagate these native vines from cuttings; I have probably tried five hundred, and have suc ceeded with two only; I lost much time by these attempts, and regret that I persevered so long, and neglected the mode by layers, which I now find invariably succeeds.

The great usefulness of the "American Farmer" is conspicuous in this—that it affords the medium for an interchange of the valuable productions of the most remote, and relatively, distant parts of the union. Thus we may obtain in Missouri, the seeds of such plants as are found by the most valuable; and it may happen, that some of as will put me in the right way. the valuable native productions of our Missouri forests will be translated to the gardens and vineyards of Maryland, New York, &c. These faci. is, if there be any price.) The Tariff Bill is now of information, and am doomed to till a poor truly benevolent exertions, and the excellent pa-sell, and no one asks me the price!! per you publish, the subscription cost of which is repaid an hundred fold, in my estimation, by these very facilities, independent of the great mass of valuable matter it contains.

I remain, sir, most respectfully, Your ob't servant,

G. C. SIBLEY.

FOR THE AMERICAN FARMER. AGRICULTURAL CORRESPONDENCE.

On the efficacy of certain Steeps, to preserve Wheat from the Fly and Smut. Taner Town, Frederick County, Md. 3 5th July, 1824.

MR. SKINNER,

in the American Farmer) an account, stating Except in two instances, I have always steeped and are more hardy, or more profitable, or are with great confidence, that the eggs of the Heswhilst in the ear—that they could be there distinguished by a microscope, &c. and that the aptinguished by a microscope, &c. and that the apland lime were omitted, I have never suffered by I was exceedingly struck, with the fine show of plication of quick lime to the seed wheat, would the insect, or from smut. In the first case noted, Red Devonshire cattle, and as I had been induced corroborated by a gentlemen from Germany, pared for winter wheat, I finished with dry seed, were too large, and ate too much for our uses, I who assured me that the practice was common there, and that it had the desired effect. The head; while from the dry seed, about one-tenth by Mr. Caton's, Mr. Patterson's, Mr. Oliver's, Mr. thing seemed reasonable, and I set about the thing seemed reasonable, and I set about the were smitty. In the other instance, the crop Henry Thompson's, and Mr. Morris's cattle of proof, I assure you with great confidence of success I steeped my wheat, not in mere water, but in water in which rich hog manure had been mixed for a considerable time—I slacked the lime completely, and whilst yet tolerably warm, left the residue to its fate. The limed part gave the had the male,—and five high bred bulls, of left the residue to its fate. The limed part gave the had the male,—and five high bred bulls, of left the residue to its fate. The limed part gave the had the male,—and five high bred bulls, of left the residue to its fate. mixed the wet wheat and it together, by fire- a go quent turnings on the floor-you may therefore crop perceive, that I not only calculated on destroying With these facts before me, a communication thy, and patriotic gentlemen. I was much distributed and vigorous growth, by the aid of the fly is propagated in wheat fields, by the eggs of host manure. I commenced sowing on the 11th of October, and finished in all that month, about 32 bushels, in 7 different lots; you will observe it was late—of course the grain made but little progress till the Spring. About the 1st of May, the insect being sown with the grain, and that impregnating the grain with quick lime would destroy these ovæ. The observations of George it was late—of course the grain made but little progress till the Spring. About the 1st of May, the insect being sown with the grain, and that horned built of mixed breed, to an half blooded short destroy these ovæ. The observations of George Devon blood; and the premium for the best built of any breed, between one and two years greatly from its ravages—and who got rid of the ceived a change for the worse; this led to an inceived a change for the worse; this led to an investigation, when it appeared, that the enemy had made an attack, and was fast prevailing—in fact, not one of the 7 lots escaped, though in different fields, and I never experienced, or witness ed so much damage from the depredations of the fly. You are to observe, that in the most of those different lots, I sowed a small portion of the seed without liming, but could not discover, that in any instance they had respected my prohibition by lime.

strengthen that belief—and the experiments of amination; that of the Devon breed, there were several bulls of the required age, and that the premium is awarded to Mr. George Cook. Thus Birnie in his steep, rendered the lime inoperative; whether salt is the real antidote; or whe therefore the insect was propagated opon some other plant growing in his fields, which may afford it a belief—and the experiments of amination; that of the Devon breed, there were several bulls of the required age, and that the premium is awarded to Mr. George Cook. Thus birnie in his steep, rendered the lime inoperative; whether salt is the real antidote; or whe there the insect was propagated opon some other plant growing in his fields, which may afford it a belief—and the experiments of the several bulls of the required age, and that the premium is awarded to Mr. George Cook. Thus birnie in his steep, rendered the lime inoperative; whether salt is the real antidote; or whe there the insect was propagated opon some other plant growing in his fields, which may afford it a belief—and the experiments of the several bulls of the required age, and that the premium is awarded to Mr. George Cook. Thus the only fremium, which was taken by a Devon bull, could have been given to none other, than a belief—and the required age, and that the premium is awarded to Mr. George Cook.

Thus the only fremium, which was taken by a Devon bull, could have been given to none other, the only fremium, which were taken by a Devon by the stipulations of the bill, as it was a belief —and the required age, and that the firs vestigation, when it appeared, that the enemy

tion, and I believe I should have been so far remiss in my duty to the publick, as to have with-held this information, had I not seen in your paper, No. 11, of the current volume, a state- me to hope that they will be made. ment, dated at Albany, May 15th, signed J. Buel, who seems satisfied, that liming wheat has the effect of completely protecting the crop from the

Do not conceive, Mr. Skinner, that I question Mr. Buel's veracity; my object is, to shew, that in all cases, the same cause will not produce the same effect, and I truly regret, that the result of my experiment, was not as favourable as those made by Mr. Buel and his friends; perhaps they had a better method of applying the lime to the souri, the seeds of such plants as are found by the experience of the farmers in New York, to be judicious, I shall be thankful for such information struct me. It would be in vain to add any thing,

in the hands of Mr. Buel himself, and independently of his connexion with the case in question, ficulty, which have arisen in my mind, in conseit could not be in better hands-it has been quence of the awards of the judges for cattle, returned by him, with the following remarks:]

Mr. Skinner,-The result of the experiment of Mr. Birnie, in liming wheat as a preventive of the ravages of the Hessian fly, whose communi-shift for themselves-to give as good hams for cation to you I have attentively read, seems to our tables, and wholesome nutritious food to our render questionable a fact which I thought well slaves, as the old fashioned Parkinson hogs, or established, and from which I anticipated great the various crosses which may be found at Hamppublic benefit.

from critical and personal observation, as from sheep, on which extraordinary plandits were bethe corroborative testimony of gentlemen of more stowed, and for which, the premium was finally Sir,—Some time previous to last fall seeding practical knowledge; and their opinions appearitime, I read in a newspaper (I think it was not led to be confirmed by the result of my practice. ton, carry better fleeces, less twisted at the ends, sian fly, were deposited in the grains of wheat, dried it previous to sowing with slacked lime; than some of the best kinds, of which our friends and, except in the two instances where the steep on the Eastern Shore, have long been possessed. effectually destroy them. This statement was falling short of steeped seed to sow my land pre- to believe, that some of the short horned breeds, were smutty. In the other instance, the crop Henry Thompson's, and Mr. Morris's cattle of a good crup, while the residue was but half a as eighteen or twenty half bloods of both sizes,

> greatly from its ravages—and who got rid of the The committee state, that no thorough bred bull, evil by steeping in pickle and liming, tended to of the short horned breed was offered to their exstrengthen that belief-and the experiments of amination; that of the Devon breed, there were

I feel a reluctance in writing for public inspec-1 of lime, or salt, until the weight of testimony preponderates the other way. At all events, reiterated experiments will show its truth or fallacy; and its importance to wheat growers induces

Your's truly.

J. BUEL.

REMARKS ON THE MARYLAND CATTLE SHOW -on the Sheep, Hogs, and Cattle, and award of Premiums.

TO THE EDITOR OF THE AMERICAN FARMER.

Baltimore County, Dec. 16, 1824. Sir,-I have attended all the exhibitions of our society, and have found much to interest and into the able account, which has already appeared in the Farmer of our late proceedings, doing P. S. You omit quoting the prices of wool (that honour, alike to the zeal and ability of our corfarm, I cannot afford to include my desire for the improvement of stock, and furtherance of your The above letter was placed by the Editor, views, without asking your decision, or that of some of your correspondents, upon points of difsheep, and swine. Do you really think, that the heavy, lard carrying, overgrown, washy breeds of pigs, to which the highest honours were given, are as well fitted to ramble in our woods-to ton, and other fine estates? Have you found, or My conclusions were formed, not so much has any man found, that the large, soap-making With these facts before me, a communication the Farmon facts before me, a communication thy, and patriotic gentlemen. I was much dis-

The premium for the best heifer, was awarded for "a red and white heifer, Fancy, out of a great acquisition to our country; and, in my this state for many years. No legislative proviopinion, has lowered the value of wood land, sion has been made, and it is a very difficult ley's stock of mixed short horned blood:—the where the object is wood, for the purpose of subject to legislate on. The population of our premium for the second best, was given for Mr. Cook's heifer, bred in Washington County, from Mr Sprigg's short horned stock, imported by Parkinson. Thus the two best heifers, although so many full bred Devon heiters were upon the to effect the object; beside, the kiln was one terest is at variance with the master's. It being ground, proved to be of short horned blood. The of the ordinary kind, used in burning lime with the interest of the master to obtain industrious premium for the best heifer, under one year of age, was awarded to Sally, a calf five months old, by a Devon bull, out of an imported cow, without a pedigree, which was the only one offer subject to the same inconvenience that wood without a pedigree, which was the only one offer subject to the same inconvenience that wood.

The legislative provisions respecting hogs, are duence, they had no choice.—The judges state, spread throughout the whole body of the stone, that for milch cows, no premium is awarded, producing the requisite degree of heat to all sections of country. By the common law, the because there were no certificates of milking—of parts, while the heat produced from the lower because there were no certificates of milking—of parts, while the heat produced from the lower part of the kiln, will have a beneficial effect in indictable as a public nuisance. Salk, 460, and by the Statute 35, Hen. 8. Ch. 17, Sec. 17, swine hell not go unringed in the woods. ed to the examination of the committee, of conse ny full grown, imported, and native Devonshire cows exhibited by men of wealth, trustees of the Society, and active members of the committee, who not only assist in forming the bills, but generously by their purses, contribute to the funds, and by volunteer premiums decidedly prove their approbation, as well of the objects, as of the means which are taken to bring them about How can you account for the ina tention of these gentlemen, in not bringing their certificates in their pockets; or not allowing their cows to bring their milk in their bags, to show their regard for the premium offered for milch cows? - heir convic tion, that in this part of the State we must have cattle which can give milk in due proportion, however anxious we may be, to have those, which can afford labour and beef. I am now in doubt whether I shall purchase half blooded, or full blooded Devons, at the moderate prices at which they can be had; or buy short horned stock, at the extravagant prices, which they command, to enable me to take the silver cups at our next I am, Sir, with great respect, Show. Yours, &c.

IGNORAMUS.

() () () () () () For the American Farmer.

BURNING LIME WITH SUSQUEHANNA COAL. Extract of a letter from a gentleman in Chester County, Pennsylvania.

"I am fully satisfied, from the result of the experiment I have made, that lime may be burned with Susquehanna coal, purchased at Columbia,* at the rate of \$4.50 or \$5 per ton; cheaper than with wood delivered at the kiln at \$2.50, and I do not know but on better terms than at \$2 per cord. My experiment was made in one of the new kilns, with two tons of coal to 700 bushels of lime. The method adopted was, to turn a small or low arch, and break all the bal-Iance of the stone so small, that none should exceed the size of an half gallon jug; the kiln was then filled, by first putting heaps of coal of about one peck and an half, about twenty inches apart; then a covering of lime stone; then of a pound. Pounds are of three kinds -common, coal; and so on, alternately, to the top of the kiln-I then burned one and an half cords of wood, just sufficient to warm the kiln and ignite An open pound (not common but private) is any the coal, which is all the attention it requires. -You may then go to meeting, mill or market, or any other pursuit you please; the coal will make the most intense and melting heat, that it is possible to conceive. My kiln was red hot for five days, and the lime burnt to perfection, surpassing any I ever saw.

I consider the hard Susquehanna coal, as a burning lime.

I propose making another experiment this winter, as it is evident that I used much more coal in the first experiment than was necessary kilns are, from that cause; as the fuel will be

When my second experiment is made, I will shall not go unringed in the woods. report the result."

LAW OF TRESPASS IN MARYLAND-SHEEP, Dogs, &c.

TO THE EDITOR OF THE AMERICAN FARMER. Annapolis, Nov. 24, 1824.

Dear Sir,-When your's reached this, I was attending Montgomery County Court, where my professional engagements necessarily detained me for nearly a fortnight, and on my return, have found a very sick family, which, with an accumulation of business during my absence, required immediate attention. These concurring circumstances prevented my attending earlier to your request. In truth, I may be said to do it now, by stealth.

The case of Lloyd and Tilghman, mentioned in the American Farmer, vol. 5, No. 33, fol. 264, is unknown to me. It has not been reported, and zled near a highway, accustomed to bite, when I expect contains no new principle of law, but the owner knows of the mischievous propensity would be found, if examined, to be only declara tory of the common law relating to cattle damage feasant, and which I will endeavour to ex plain and illustrate, concisely, and yet as fully, as my time will permit.

Damage feasont, is when the beasts of another, no way privy to the estate, are found in a man's close, without the leave of the owner of the land, and without the fault of the possessor of the close, (which may happen from his not repairing his fences) and their doing damage, which may be by feeding, or trampling, or otherwise, to the

grass, corn, young timber, woods, &c.

If the beasts (which is the law phrase) are damage feasant, the person whom they damage, may distrain and impound them, as well by night as by day; and he may keep them in the pound, until satisfied of the damages, and the law presumes the owner of the cattle, always to know of shall from time to time extract from their annuthe cattle being there, damage feasant.

If the party injured, does not wish to impound, lative to these topicks.

open and close. In this state there is no common concern the wealth and comfort of every indivipound, but there may be open and close pounds. dual, and the power of the nation. placed. A close pound is, for instance, a part ing are the passages which treat of Internal Imof the distrainer's house, stable, &c. and he is provement and of Agriculture. bound to feed them in either.

before whom any default is punishable.

Hogs running at large, has been a complaint in country is very sparse, the plantations and farms large, the lines of division fences very long, and above all, the labouring part composed of slaves, who are constitutionally indolent, and whose interest is at variance with the master's. It being wood. Much fuel may be saved by a proper labour, and of the slave, to perform no more than constructed kiln for the use of coal—it may be will screen him from chastisement. In conse-

The legislative provisions respecting hogs, are

In most farms, the owners, with proper attention, may keep the division fences in order. I have no doubt, that if A. and B. have two adjoining farms, and if A give notice to B. to repair, and he will not in a reasonable time, that A. may repair and recover from B. the value of the labour and materials found, provided the fence has not been foolishly expensive. One decision of this kind, would have a good tendency, as it would make the law known to the community.

You wish to know how far sheep may be protected from dogs. The law upon this subject is very simple. The owner of a dog is bound to muzzle him, if mischievous, but not otherwise -and if a man doth keep a dog that useth to bite cattle, &c. if, after notice given to him of it, or his knowing the dog to be mischievous, the creature shall do any hurt, the master shall answer for it. Cro. Car. 254, 487. Stra. 1264. It is indictable at common law, to keep a dog unmuzof his dog. Crown. Cir. Com. 311, 2 Chitty's Crim. Law. English edition, 643 American edition by Richard Peters, Jr., 410.

I would go farther, and make the owner of a dog that had attacked sheep, after notice, or knowledge, punishable by fine, to be recovered by indictment.

JAMES BOYLE. by indictment.

AGRICULTURE AND

Internal Improvements.

Agriculture and Internal Improvements in Pennsylvania

As the Governors of the several states may be supposed to represent, as nearly as may be, the state of Agriculture and Internal Improvements, and the public sentiment and capabilities of the states in reference to these great subjects, we al messages, the paragraphs and expositions re-

They will at least give us a birds-eye view, It may be necessary here, to define the meaning and keep us measurably posted up, as to what has a pound. Pounds are of three kinds—common, been done, is doing, or to be done in affairs which

In the message of the Governor of Pennsylvasecure, uncovered place, in which the cattle are nia, to the Legislature now in session, the follow-

"The commissioners appointed under the act of In England, a common pound belongs to the the last session, providing for the appointment of township, lordship, or village; and in every a Board of Commissioners for the purpose of proparish ought to be kept in repair by those who moting the internal improvement of the state, * Columbia is about 30 miles from the kiln in duty of the steward in the sect to attend to this, of those duties, a detailed statement of which will be presented to you, during your session. The

which the experiment was made.

cul, commercial, and agricultural point of view, is now so well understood that it may be deemed unnecessary to advert to it. The Act of the last session may be considered as the continuation of a system, destined at no distant day, to mingle the waters of the west, with the Atlantic-Whenever the necessary information has been collected, and the practicability of canals, in the western ble-I am always ready to explain. First, depth. section of our state, fully ascertained, it will be the part of a well regulated and wise policy, to extend with a liberal hand, the fostering aid of the Government. The resources of the state, are fully equal to the enterprise, and every reliance may be securely placed upon the intelli gence and patriotism of our citizens. From the information we have already obtained, there is but little doubt, that Pennsylvania presents the cheapest and best route, for the connexion of the western waters with the Atlantic, in which event, we may confidently expect the aid of the general government in this national work, so incalculable in its advantages to the different states of our wide extended, and extending confederacy.

"I have the pleasure to transmit herewith, to vou the report of the Commissioners, appointed to view and examine, twenty-two locks, of the lower section, and forty-two locks, on the upper section of the River Schuylkill, and whether the navigation is so far executed in a masterly, workmanship like manner. The warm terms of praise, in which the Commissioners speak of this work, is highly gratifying, and whilst its completion is evidence of the individual enterprise of our citizens, it shows that Pennsylvania has not been inattentive to this essential branch of internal improvement. This canal, will hereafter prove an important link in the chain of connexion to be formed with the North and West, and our beau-

tiful and thriving metropolis.

"In the distribution of power under our compliplicated system, commerce and manufactures seem to have been placed more immediately under the superintendance of the general Govern ment; whilst the interests of agriculture have been left in a great measure to the protection of the respective State Legislatures. Hence it results, that these important interests demand our most serious and anxious care; for at this time of pressure and difficulty for the farmer, it is ne cessary for him to make up in quantity, for the depressed price of his agricultural products .-Experience has demonstrated the great advanta ges of Agricultural Societies, and it is believed that a further extension of the system, by the establishment of a State Institution, with a small annual appropriation, would greatly assist the labours of that valuable portion of our citizens."

Speaking of the importance of promoting education, Mr. Schultze pays the following just com-pliment to General T. J. Rogers' Biographical

"Connected with education, permit me to call your attention to the American Biographical Dic tionary, compiled by one of our citizens, and intended for the use of schools. This work, which is well executed, illustrates the principles of our Government, and holds up for imitation to the rising generation, some of the highest examples in the page of history, of heroism and devotion to country. As an incentive to virtue, and love of country, it may be well worthy of Legislative patronage."

Domestic Economy.

BORING FOR WATER.

The following is the reply of a person who we

respondent, that no place is better located than is to be of cedar of 12 inch calibre in the inner Baltimore, overhung as she is with elevated back clear; each joint is two feet long and connected grounds, to derive advantage from this resource.] like a flute, with a thin band of iron over the

November 18th, 1824.

" Dear Sir-1 will answer your questions respecting boring, in the order in which you ask them. I hope that I may make myself intelligi-This depends on the nature of the substance through which the chissel goes. In some cases, I have no doubt but that water could be obtained at the depth of 30 or 40 feet; I mean a perpetu al stream that shall discharge itself voluntarily

As it respects my well, we had first to go through soft red shell—then hard red shell—then clay, well pounded around. You need not shellgranite—then a blue rock mixed with calcareous ter it as the temperature of the water is not afthen a rock as hard as adamant—then a grey soft an arbour over mine, and cover it with sweet-briearth-then a blue hard rock with a sharp gritrock-then a deep blue rock mixed with claythen a hard black rock-then a light blue rockthen the original hard red shell-am now at the distance of 145 feet—we are boring on a hard five feet of the surface. We expect to get perhaps to morrow, as we have bored 12 feet be hooked up, or if it cannot be cut to pieces, a that has not yet occurred to us; we generally get a foot or two of water in every 4 or 5 feet ad-

the chissel will advance according to the resis- rocks must often be blown-lives are very often tance it meets with. Through the soft red shell lost in wells-they are very often out of repairwe went 10 feet a day-hard red shell from 5 to want cleaning once in a year or two-new curbs 6 feet-granite from 2 to 3-first stratum of blue or new pumps-and, my pump is at this moment, rock from 4 to 5—second stratum of blue hard although only two years old, in as ricketty a state rock from 4 to 3—second stratum of blue hard arthough only two years on, mastleact, a stratum of blue rock from 1 to 2—adamantine rock, and it was as possible; and after all, what is a common well; about 4 feet thick, we only went from 2 to 3 if deep, what a labour to raise the water—what and at most 6 inches a day—grey rock 4 feet—deep a yearly expense to clean and repair; if a shal-blue rock 3 feet—the black rock 14 to 16 inches low one, how often we suffer with drought, and how

to loadstone. The poles were so powerfully im. mating the numerous advantages attending it. I pregnated with this extraordinary mineral, that have no doubt but that in the course of 20 years, examined the particles. By merely holding the of the subject, edge of a knife over them they flew; that is, the magnetic particles flew and hung suspended from rather think after we got through it; at first we tion, but it disappeared after going a few feet deeper, and although the poles still impart the power to steel, there are no more of the loadstone particles in the well.

Third—As to the quality of the water thus obtained. When Mr. Disbrow had bored to the depth of 135 feet in the first well that he attempt ed, he obtained delicious soft water, which dis charged about two gallons a minute. But this was not thought sufficient for a distillery, and al. pound to his readers.] though the water run over the hole very freely, be superfluous.

importance of a water communication in a politi | ter. It has been well intimated by another cor- and unpleasant matter may be shut out. My tube joints. These are to be put on as the joints are lowered in the well, which is 21 inches diameter.

Fifth-What time does boring occupy. This I have answered in the first page-It varies from 10 teet to 2 inches, according to the quality of the

Sixth—IVhat fixtures are necessary when the well is finished. Nothing is wanted but a pent stock or hydrant stock, with a stop cock. This stock must be grafted on the tube, about 3 feet below the surface, and then steadied by means of feeted by atmospherical influence. I shall build ars-cattle will not meddle with sweet briarsmine is in the farm-yard near to my stables

Seventh-Expense. I give two dollars and a half a foot, and am at no risk. If the borer fail dark brown rock. The water is this day within getting water at a depth agreed upon, (I have given him 200 feet for a trial) I pay him nothing. There are no other casualties for the borer than enough for our purpose in the course of a week, the loss of a tool or chissel in the well. If it cannot without touching a new vein of water, a thing new well must be commenced—52,50 seems at first sight to be a great sum; but It dwindles to nothing when you take all the blessed effects into consideration; besides, one is often obliged to Second—The length of time to complete a well. give even three and four dollars a foot for digging It will be inferred from what I have said, that a deep well. In order to obtain a supply, the and we have bored 3 feet to-day in a hard red impure it often is. Every calculation is in favour of this new mode of obtaining water-new, how-When we were about 110 feet deep, we came ever, only in America. Can any one fail in estithey would suspend a heavy pruning knife; and our penknives, by merely touching the poles, have abstracted so much of the effluvia, as that they can attach large needles. The particles of pense of the old water works. One of these rock at all times brought up, are incalculably wells made in every half ward, will supply that small. When we were in the loadstone rock, I section; but I need not go further into this part

Lastly—You ask if there are any hills in the vicinity. I infer from this question, that you are the edge, and in looking through a magnifier, they trying to form an opinion as to the probable source appeared to be of the form of shrubs and trees, of the springs thus obtained. Here is a wide I forget at this moment, whether we discovered field for speculation. When I began to bore on the loadstone before or after the adamantine rock; my farm, the opinon that the water came from a higher source than our level, was so fixed in my thought the phenomena proceeded from fric-mind, that it did not adout of dispute. As the work advanced, the subject occupied much of my thoughts-new circumstances occurred-appearances altered-I began to wave my opinion-I applied myself to such data as were within my reach-and, I am now as fully impressed with the nelief that the water does not come from a higher source, as I was before to the contrary,

[On perusal of the above, the following questions occur, which the Editor begs leave to pro-

How long have springs been known to exist in they continued to go deeper. It is now 175 feet a particular place?-Has drought ever diminishdeep, and the water is very good, but not soft ed them, and destroyed them? In such springs is enough for washing. It discharges four gallons the fulse, or short ebb and flow visible .- Have a minute, and is so cold in summer, that ice would they been analysed, if so, what minerals do they pass over? Rather, we beg that the pulse, or ebb Fourth-Tubing. It is necessary to tube down and flow, may be counted; this may be done in knew had employed Mr. Disbrow to bore for wa- to a certain depth, that the soakings of noxious the same manner as the human pulse is counted.

To do this properly, a trough of about 6 or 7 will have fine peaches; if your trees are very vitation will overcome the impulse, which is vetrons is earnestly requested to the above inquiries.]

Horticulture.

FOR THE AMERICAN FARMER.

TO ALL LOVERS OF FINE PEACHES.

It is common in this country, especially where higher than a foot, but commonly within a few inches of the earth, by a small fly; and the first appearance of it is a stuff much like saw dust, will run out of their holes with the gum of the tree, and in a few days will get between the bark and the wood of the tree, and if not stopped or destroyed, will not only injure the fruit, but some times destroy the tree altogether. In summer, after a rain, when they have their growth, they will run out with the gum and be connected in it until they form a thin shell round them, and come out another fly; when they come out they are work higher up the trunk of the tree; and, when Memoirs of the Philadelphia Agricultural So- we are farmers not writers. they eat quite round the tree, the tree will die ciety and leave a lump of gum round the trunk on the ground, which will appear to be mixt with saw dust or something like it. If the soil is rich from the spontaneous growth of the tree, the bark near highly his services in the cause of Agriculture, the ground soon becomes rough, and there are we must insert it to show the history and the naspots or crevices where the fly can deposite its ture of the publication, and as far as we can be erudite Editor of the National Gazette, sayseggs; if the soil is quite poor, the tree will keep relied on to form a correct judgment, we can reharbour for those vermin, and the trees appear to bear better than in rich soil, and that is the cause why many gentlemen say, poor, sandy soil, suits peaches best; but the fact is, rich, ness, and conveys to young Farmers the expression of the e light, or even a little stiff soil, will bring finer perience and the system pursued by the best public spirit of the Directors of the Society, and peaches than poor, if proper attention is paid to those insects and the muck worm—the muck worm is an insect more under the roots. I have tried a great number of experiments to destroy

300 pages, and is very elegantly printed, we neighborhood of Philadelphia, is the most considering that the work contains more than the metal tried a great number of experiments to destroy. those insects, and beg leave to mention a few of can pronounce it the cheapest, as well as the spicuous. The engravings of animals and implethose insects, and beg leave to mention a few of the most successful, for the use of our friends and fellow citizens. Now is the time to dig or cut a canal round the trunk of the trees, say 3 inches hroad and several inches deep, until you can see the top of the roots; then, if the insect is in it, pour hot ley 18 or 20 inches from the ground on the trunk of the tree, and let it run in the little canal, which will destroy all the insects that are voung and not yet onite through the bark, and is young and not yet quite through the bark, and is ricultural Books, as their contents would be to Bailey's Survey of Durham, Extracts. a good manure for peach trees; and let the canal his stock of agricultural knowledge.—The Edi stand open all winter, and all the insects that the ley does not kill will be destroyed by the frost, any of his friends who will aid in the sale

summer, you will find the fly cannot get to the bark to deposite its eggs, and by that means, you

Any one sending \$5, shall

feet should be placed close by the spring, and so small and young. I would not recommend the ley near the apperture, as that the water should be to be poured on them very hot, for fear of injuring on a line with the trough, otherwise if the water the trees; but if the trees are of any size, it will on a line with the trough, otherwise it the rennsylvania Ag fall from even an inch height, the attraction of gra-not hurt them; for I have used it many years ricultural Society, the copy of the "Farmer, with great success, for it is sure to destroy all that ry feeble. The attention of our observing pa- is not through the bark, and concealed between the bark and wood. Some gentlemen use tar with success—I tried it, and think it good if put record of the most interesting facts, and the best on thin or mixt with grease; ashes and soot are also good for peach trees, and flower of sulphur; and in a fresh country, salt is fine to put round for your exemplary fairness, indefatigable zeal, the roots; be sure and prune out all the small and singular ability, as an Editor, I am authorized twigs that crowd in amongst the bearing wood, and do not let your trees hold too much fruit on with selections, adapted to the purposes of Amethem, as by being over loaded with fruit, the can husbandmen, the soil is very good and rich, for the peach trees trees are often injured, and the fruit not half so to be much injured by an insect commonly called fine. Where you have it in your power, thin pally composed of practical farmers—that by the slugs or wood worm. This insect is deposited in them when small as a nut-meg, and in common, act of incorporation all otherwise slugs or wood worm. slugs or wood worm. This insect is deposited in them when small as a nut-meg, and in common, act of incorporation, all others are excluded from the bark of the tree near the ground, sometimes 1-10th is enough to leave on the tree of what it our offices—that, although we have endeavoured would sometimes hold by being left to nature. JOHN WILLIS

Oxford, Nov. 30, 1824.

Literary.

A NEW AGRICULTURAL BOOK,

Adapted to Farmers of all classes and conditions-For sale by the Editor of the American Farmer, at \$1 50.

about 3.4 of an inch long, with red or brown sylvania Agricultural Society, with selections of this country, and to pass by others which, as heads; while they are preying on the tree, they adapted to the use of the practical Farmers of they involve abstruse scientific disquisitions, are work higher up or lower down, according to the the United States, published by John S Skinner, not fitted to the peculiar views of our institution. weather; in cold weather they go down to the Editor of the American Farmer, by order of the roots from the frost, and in moderate weather they Directors"—and is a different work from the among authors, we trust we shall be forgiven, as

The following letter will show how these Mcmoirs came into the hands of the Editor of the American Farmer; and though it estimates too as the track will in winter get full of water, snow of the work, at least until he is indennified and ice, and the insects cannot in so short a time get down so far but the frost will destroy them.

If pigs could be penned often in the peach orchard, they will destroy them, and often the mean time, if any gentleman send §3 or more to Cully on Live Stock—Extracts on Neat Cattle. the Editor, he will guarantee his receipt of two slugs, muck-worm, &c., if you will wrap the trunk or more copies of the work in good condition, according to the amount sent, free of all expense of Cattle Marientandor of Cattle M

Any one sending \$5, shall have four copes.

Powelton, August 1st, 1824.

TO JOHN S. SKINNER, ESQUIRE, Editor of the American Farmer.

Sir-I have presented to the Pennsylvania Agwhich you had sent for them.

I am directed to convey their thanks, and their high sense of your excellent work, as a faithful agricultural papers, which appear, either in Europe or America; and in proof of their respect to offer for your use, the Memoirs of our Society,

You are aware, that our Association is princiour offices-that, although we have endeavoured to collect facts, and promulgate opinions, in the shape best fitted for our purposes, we have no pretension as writers, and must claim for our communications great indulgence, as they are neither enlivened by the elaborate deductions of specious theory, nor embellished by the exquisite efforts of fanciful and untiring quackery.

You will perceive, that various extracts have been made, without regard to the arrangement of the authors, from whom they are taken, as This work is entitled "Memoirs of the Penn-inapplicable to the circumstances and condition

If we have violated the etiquette established

I am, Sir, Your obedient servant,
JOHN HARE POWEL, Corresponding Secretary, Penn. Agri. Soc.

Speaking of this volume, the accomplished and

"The handsome octavo volume of "Memoirs of its smoothness much longer, and there will be no commend it to our subscribers and other friends, the Pennsylvania Agricultural Society," just pubments with which it is enriched, serve both for

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riority over Horses-Prevention and Cure of Elliott, John, Esq. of Montgomery County, on Morris, Mr. Jonathan, of Washington County, Pennsylvania, on Maple Sugar, its Manufacture, &c.

DISEASES OF DOMESTIC ANIMALS AND THEIR CURE.

Spavin .- A disease of the horse's hock, which generally causes lameness. Spavins are of two kinds, the bone, and the bog or blood spavin. The former consists of a bony enlargement of the inside of the hock joint, towards the lower part; the latter of a solt but elastic tumour, a little Pennsylvania Barns—Arrangement of the Fold bend of the joint. The most effectual remedy for bone spavin is firing, and if it be done at an early period of the disease, it often cures it. - Answers to Inquiries on Millet, and obstinate cases, I have known the bony swelling punctured in several places, and some blistering ointment mixed with a small proportion of corrosive sublimate rubbed in. This produces a high ---- on Reclaimed Marsh and its Crops, degree of inflammation, and is sure to leave a per-Price, J. Esq., of Roxbury, Massachusetts, on Car-manent blemish; but, in some instances, has effected a cure. Another mode of treating bone Robeson, Peter, of Philadelphia County, on Smut spavin is to make an incision in the skin with a knife, or bore a small opening in the bony swell-Thomas, J. G. Esq., of Philadelphia County, on ing with a hot iron, and introduce some sublimate or arsenic, and confine it with a plaster. This generally occasions more violent inflammation than the former, and often excites symptomatic fever; Williams, James, Esq., on the Cultivation of Car- in one instance, however, though for a time the horse's life was in danger by the symptomatic Worth, James, Esq., of Buck's County, on the fever that was excited, the result was a conside-Failure of Wheat Crops, and the Insects by rable diminution of the lameness, so that the horse became in some degree useful again. These, however, are remedies I should be loath to have Kirk, Caleb, Esq. of Delaware, on Thorn Hedges.

Montgomery County Farmer—on Hedges—Collecting and Sowing Seeds—Planting and Mallord spavin does not often cause lameness, except when the horse's work is severe, as in hunt-Phillips, William, Esq., of Philadelphia County, ing. This complaint, I believe, is seldom remove on the Preservation of Posts by means of Salt. ed; and though it may, when large, render a horse unfit for severe exertion, it is rarely an impediment to moderate work. If any thing be done, Eastman, Mr. Jonathan S., of Baltimore, on his beneficial. Horses most disposed to spavin are repeated blistering is perhaps most likely to be Goodsell's Flax Dresser-Report of the Commit-inclining inward; and this tendency is promoted those that are cat-hammed, or have their hocks Phillips, William, Esq., on Eastman's Chaff Cut- the inner heel, a practice that is too common. by making the outer heel of the shoe higher than Another cause of spavin is working a horse at too early an age, particularly when he is employto our Climate and the Circumstances of the the hock joints, such as leaping, or drawing heavy ed in work that requires considerable exertion of burthens.

Splents .- These are bony excrescences, which grow on the inside of the shank bone. They sel-Sir Humphrey Davy's Elements of Agricultural terrupt the motion of the knee joint, or interfere Chemistry, in a Course of Lectures for the British Agricultural Board- Extracts on Manures, the leg. Should a splent occasion lameness, which Animal, Vegetable, Calcarious-their Manage- is sometimes the case, merely from the ossific inment, Application, and Effects—exposing er-flammation, let it be bathed with camphorated roneous Opinions and Practices, connected spirit, or spirit and vinegar; or let some soft linwith the use of Lime, Gypsum, Ashes and Rot- en be moistened with these and bound on it, keeping it constantly moist. This, in a few days, will generally remove the lameness, but the splent The Management and Application of Vegeta-will remain. Whenever it is thought necessary to attempt the removal of a splent, repeated blistering is, I believe, preferable to the more severe measures recommended in books of farriery.

Rural Sports.

On Monday last, a party of gentlemen, consisting of the Hon. E. Lloyd-Col. J. Hindman-John Ridgely--John Donnell, Jr. and Murray Lloyd, hunted the ground of the first named gen-Davy, Sir Humphrey, on the Diseases of Plants- Milnor, Mahlon, Esq., of Bucks County, on Ci- tleman, at Wye, Talbot County; and, notwithstanding the day was by no means propitious.

		' EACH.		
Col. Lloyd,	23 par	rtridges-	-21	abbits.
M. Lloyd,	18		2	
	17		2	
J. Ridgely,	13		0	
Col. Hindman.	11		0	

THE FARMER.

BALTIMORE, FRIDAY, DECEMBER 17, 1824.

Aecessity and importance of a Room and Library, for the Maryland Agricultural Society.

Amongst other resolutions passed at the last meeting of the Agricultural Society, there was one, instructing the Trustees, if they should deem it expedient, to rent a room as a place of meeting, and for the use of the Maryland Agri-

cultural Society.

The society has now taken such root, as to insure, with good management, its vigorous growth and continued existence-Its prospects and its means are such, as to justify and call for, some permament arrangements, of the character con templated in the above resolution-In truth, who ever before heard of a society, without some fixed place of meeting? and who does not see the utility of having some common, established place of resort, where those who have agreed to associate for the common benefit of their profession, may come together at stated times, and talk over their affairs, and devise measures to enlighten themselves as to their true interests, and to have those interests rightfully protected by the publick authorities?

Furthermore, the Society at their Agricultural Room, should have an Agricultural Library— This might be commenced by the voluntary donations of persons liberally disposed to further the views of the association; and when the funds of the society will justify it, a small appropriation might be made, to be expended in annual additions of books on agriculture, botany, and their kindred sciences; to this library the members should have free access. For example, a farm er wishes to build a bain, a cart, or a plough, he would have only to go to the society's room, and there he would find books containing drawings of these objects in every form, with explanations of the true principles of their construction. Suppose he wants to know all about the use of time as a manure; he has only to go and turn to some agricultural work where the subject is fully treated, and he learns its chemical properties, and the best state and mode of applying it to agricultural purposes; in short, such an establishment would encourage a habit of reading, and of enquiry, that could not fail in improving the *minds*, as well as be full and punctual. the practices, of agricultural gentlemen. It seems to grow up naturally, as one of the most valuable fruits of the seed we have been sowing for the last five years. As a proof of the opinion he entertains of the utility that would result from the adoption of the resolution above mentioned, we know an individual who would at once contribute for the use of the society, books which have cost 4 or \$500. But the advantage which seems to be indispensable, is the provision of a place where the society may hold stated meetings, once in every month, or at least quarter yearly. To shew one of the several important propositions adopt ed in reference to applications to the legislature for pecuniary aid, for alterations in our act of incorporation, for the enactment of laws more effectually to the farming interest: there is not one The Editor will thank gentlemen who have his

they returned in five hours, having bagged forty and put in a form and train of accomplishment, to make such memoranda as will save him fruitat least one month before the session of the legislature; instead, whereof, the society met in a hurry at a tavern, and adjourned in a hurry to meet again, they know not when, or where.-It is granted, that every thing cannot be done in a day; there COLLECTED AND ACCURATELY STATED BY THE must be a beginning to all things; we must crawl before we can walk, and

"Vessels large, may venture more,

"But little boats, should keep near shore."

Dame Prudence always stands ready, with a good batch of those truisms, to stop the mouth of enterprise, and check the progress of improve-ment—but let her ladyship remember another saying of Poor Richard, that "Industry need not wish—and he that lives upon hope, will die fast-ing." Our society has been five years now in coma ratively active, and growing existence; and if it cannot venture now to provide a decent room to meet in, and the nucleus of a library, by the use of which, the young farmers who are coming on, may learn the morals, the politics, the statistics, &c. of their profession-whereby, in a word, they may learn not only what is to be done, but the why, and the wherefore, it should be done. Why then, indeed, have we been toiling, as we humbly think, to little purpose. If we understand the true, and the higher objects of the "Maryland Agricultural Society," it aims, not only to augment the pile of manure; to have more corn made on an more elevated design of meliorating and exalting the moral and intellectual condition and power

P. S In a room provided as above suggested, any gentleman might deposite specimens of grasses, or plants, or soils, or substances, to be handed over to, and examined, and analysed by, the professor of Botany, or Agricultural Chemistry, as the case might require. From this room, valuable and remarkable seeds, fruits, grains, &c. might be distributed amongst the membersmonthly reports might be made, for publication in the American Farmer, of the state of the crops in the different counties. The Farmer would here learn what he ought to expect for his produce, as well as the current prices of it--in short, it would be a sort of Farmer's Exchangesuch, at least, are our impressions, crudely ex-

The members of the Board of Trustees of the Maryland Agricultural Society, are hereby notified that the next meeting will be held at the residence of Gen. R. G. Harper, on Monday next the 20th inst. at eleven, A. M.

Important propositions will be under consideration, and it is desirable that the meeting should

The Editor will be indebted to any Gendeman who will send him about a tea cup full of Tobacco seed, of what is usually called Maryland vellow .- The object is to divide it amongst gentlemen who have written for it, and who are always ready to reciprocate civilities of this kind.

The Editor is much indebted to Mr. Leonard Matthews for seed of the genuine high fla voured smoking tobacco of Cuba-and will give the necessity of such meetings, let us review the about a dessert spoonful to any planter who may proceedings of the society on Saturday last; not desire it.—The tobacco retains its high flavour for two successive years in this confitry.

of these, which ought not to have been discussed, books, to grant him the loan of them long enough

0 PRICES OF COUNTRY PRODUCE,

EDITOR OF THE AMERICAN FARMER.

Wood, Hickory, per cord, \$5-Oak, do \$3 75 to \$4-Pine, \$2 50-best white Wheat, 100 a 105—Lawler, 88 a 92—Red, 85 a 90—Rye, 35 a 37½—Old Corn, 85 a 36—New, do 32 a 33—Wharf Flour, \$4 50 to 4 62½—Pork from the wagons in the market, \$4 to 4 75-Turkeys, 621 to 75 cents-Geese 50 cents-Beef, best pieces, 8 cts.-Mutton, best pieces, 8 cts.-Live cattle, \$4 50 per hundred.—We saw in the market on Wednesday, some of a lot of very elegant, from the farm of Judge Buchanan, who supplies our market with from 80 to 100 per annum of very

superior quality.

MARYLAND TOBACCO.—The market continues dull. There has been some sales of inferior qualities, at rather better prices, but there is no shipping at this time, nor much change expected before February, though the last accounts from

Holland are said to be favourable.

It appears that the Conversations of Lord Byron for a considerable period during his residence at Pisa, have been faithfully recorded by one of his acre, or more fat laid on a hog, but it aims at the most intimate friends, and that this curious production, which will no doubt rival the Journals of Boswell and Las Cases, is immediately to be givof that honourable and virtuous class of citizens, en to the public. The author is Captain Medwin, of the 24th Light Dragoons, a poet himself, and a cousin of the late Percy Bysshe Shelly. The communications are stated to have been made without any injunction to secrecy, and committed to paper for the sake of reference only; and but for the fate of Lord Byron's Memoirs, would never have appeared before the public.

The Memoirs of Dr Antommarchi relative to the last moments of Napoleon, which have so long been announced, are now in the press. This publication seems necessary to complete the History of the Emperor, of whom we understand it

records many new and curious facts.

For Sale.

An uncommonly fine bull calf, aged 21 months, half Bakewell and half Holstein .- He is black and white, has never been forced by high keepwhen 7 months and 22 days old, weighed 764 lbs. having had nothing but the milk of the cow; at 20 months and 9 days, weighed 1204 lbs .- his girth 6 feet 11 inches, his length 7 feet 31 inches. He is very gentle. Apply to

> WM. F. REDDING, Office of the Farmer.

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Printed every Friday at \$4 per annum, for JOHN S. SKINNER, Editor, by JOSEPH ROBINSON, on the North West corper of Market and Helvidere streets, Estimore; where every description of Heok and Job Printing excepted with nearness and despatch—Orders from a distance for PRINTING or BINDING, with proper directions promptly attended to, addressed to J. Radinson, Baltimore.

AGRICULTURE.

THE PREMIUM FARM.

[The following are the documents which accompanied the report of the committee, by whom the Premium of a Silver Tankard, valued at fifty dollars, was awarded to Col. N. M. Bosley, and presented by the hands of General LAFAY. ETTE at the late Cattle Show. It will be recollected, that at the instance of Col. Bosley, the committee also made to his farm a visit of personal inspection.]-Ed. Am. FARM.

Questions proposed by the Committee acting as Judges, on the best cultivated Farm, in the case of Col. NICHOLAS M. BOSLEY :-

1st. How long have you had this farm in possession-and under cultivation?

Answer. I have had the farm in possession since 1811—and in cultivation since 1812.

2d. In what state was the farm when you took

it in possession?

Answer. It was in a neglected state, almost uninclosed—the briers and brambles gave striking evidence that the former cultivators had very much neglected their interest. A great part of the land is naturally hilly, and was much broken: it was marked by deep ravines and thickets of briers. For the hetter guidance of the Judges, I submit the statements of some of my neighbours, cupied it was known.

3d. What course did you adopt in the first in-

stance for the improvement of the soil?

Answer. My first object was to clear the land of the filth by a course of cropping, followed by clover and plaster.

4th. What manures did you find the most effectual-and in what manner were they employed?

Answer. When I first took up the farm in its impoverished state, I employed every particle of stable manure, compost, and occasionally penning my cattle up for the purpose of bringing immediately some portion of my land to a state of fertility; having been compelled to buy hay, it was an object of great importance that I should set immediately some portion of my land in grass.-I afterwards applied lime at the rate of 50 bushels per acre on clear ground, such as corn ground: but I did not find the effect answer expectations; I afterwards tried it on a sod turned down, applying the lime on the surface after being harrowed, and then harrowed the lime in. This was generally followed by a corn crop in which I discovered good effects, even on the crop of corn; after taking off my corn crop and stalks, which I generally have hauled to my barn yard, I have it ploughed up in the spring and occasionally stirred during the summer, which has also the advantage of clearing the land of all filth, and at the same time incorporating the lime with the soil. I sowed it in wheat, with clover, and timothy; but afterwards I found on an application of one hundred bushels to the acre, the effects were much greater, and it has since been my constant habit to apply that quantity. My long manure from the time, I think I may safely say, waste, and not culbarn yard and stables, I generally put out in the tivated. The fences good for nothing; the fields ply that quantity. My long manure from the spring in the weakest portions of my corn ground of the year previous, when it is in a state of fermentation, and have invariably found its application in that state more beneficial than any other. The corn stalks, after being trampled by cattle during the winter, and laying in the barn yard ing and fertile. There were no buildings on the field,

5th. What depth do you plough your land? Answer. From six to eight inches.

6th. What is the quantity of products from your

soil-and of what particular kind? Vol. 6.—40.

dred bushels of rye-three hundred bushels of and enumerate the particular facts which ought oats-about two hundred and ninety tons of hay to come under the notice of the committee; but

7th. What number of hands do you employ? Answer. Generally seven.

8th. What number of horses and oxen do you

Answer. Ten working oxen and nine horses.

9th. What is your stock of hogs, sheep-and your views of the different kinds of stock?

Answer. Forty-two sheep-thirty-four fatting hogs, supposed to average from 180 to 200 lbs. each, about eighteen months old-four breeding sows; thirty-four pigs and shoats; thirty two head of horned cattle, including working oxen. So far as this question refers to stock, I must decline an answer, as I have not given the subject of stock, of timothy and clover; and I weighed an averthat deliberation which I would wish before I formed an opinion.

Answer. About four-hundred and sixty acresseventy of which I have recently purchasedabout thirty in wood land.

NICHOLAS M. BOSLEY.

Locast Grove, Nov. 15th, 1824.

Feeling it a duty incumbent on every well disto whom the situation of the farm when I first oc. posed person at all times; and now particularly at such times as those when industry, frugality, jand economy, combined with agricultural improvements, (or in other words improving our farms,) are indispensably necessary for the good rations of farming, at Hayfields, he has had to encause a spirit of emulation in Farmers collectively in the different States, as well as in this neighbourhood, I am induced to give the following:-

I certify, that to the best of my recollection, Colonel Nicholas M. Bosley settled on the place he now lives on, known at this time by the name of Hayfields, about the year 1811; at which time the place was overrun (as we farmers call it) with briers; the fields full of gullies; the whole farm remarkably stony; the fences so much out of repair, they might comparatively be called none at all; the land generally poor and sedgy; and such has been his industry in reclaiming the soil, that when he came on it, it would not yield more than five barrels of corn per acre, or ten or twelve bushels of wheat, when at this time it will turn off from ten to twelve barrels of corn, and from twenty to thirty bushels of wheat to the acre:his fences at this time are rather superior to any in the neighbourhood. If the committee think it expedient they can make use of the above.

ABRAHAM H. PRICE.

Baltimore, 16th Nov. 1824. To the Committee for the inspection of Farms on the Western Shore of Maryland.

Gentlemen,-I resided in the neighbourhood of Col. Bosley's farm at the time he took possession of it, some time in the year 1811. It was at that sedgy, stony, and washed in large gullies. A considerable part of what was Nailer's farm, had donation been for a long time abandoned by Nailer as use. less and not worth cultivation, I mean particularly that very high hill which now looks so flourishduring the ensuing summer, I haul to my wheat farm worth any thing, and they have all been Together with a diploma to each, as honorage ground also in the fall. long since removed as nuisances, except one small log hut. The fences are now excellent, I believe the best in the neighbourhood; and what still

hundred and sixty bushels of wheat-twelve hun-[miles. It would be impossible for me to recollect in the first state of curing, making about one hun-dred and forty-five tons fit for market. I think I can confidently say, that I have never witnessed such improvement, in the same time, and with the same limited means, or any farm. When I speak of limited means, I refer to money; Col. Bosley's vigorous exertion, and natient industry, enabled him to accomplish great objects of improvement with little expenditure of money. And in his case I think the expenditure of money, for the great objects obtained, is smaller than in any other case I have ever known.

I remain, respectfully, your's,
ALEX. NISBET.

I certify, that I counted nineteen hundred and ninety cocks of hay, made on Col. Bosley's farm, age cock, after it was well cured, fit for the stack, which weighed three hundred and twenty-five 10th. How many acres of land have you in your pounds; sixty loads of rye, which averaged twenty bushels per load; and two-hundred and sixty bushels of wheat; and three hundred bushels of oats; all of which I measured. There is about three hundred barrels of corn-and there has been about three hundred loads of manure hauled out-four oxen in a cart.

BENJAMIN AMOS. There have been seeded at Hayfields, the last

fall, upwards of two hundred bushels of wheat.

By another document it appears, that while Col. Bosley has been carrying on the usual opeof the community in general: and hoping it will counter the extraordinary expense and labour of supplying himself with chesnut rails to the number of 60,300; whereof 55,000 have been hauled eight miles, and the remainder from a distance of three miles.

In eighteen hundred and seventeen he sold the products of eighteen hundred and sixteen, for \$6,502 27; of which \$2,378 4 was the proceeds of the hay crop.]-ED. AM. FARM.

BERKSHIRE AGRICULTURAL SOCIETY. [The Proceedings of a great number of Agricultural Societies are sent to us, from all parts .-It is impossible to insert so many details-The Agricultural Addresses too, are so numerous, and generally so long, that we might fill half of every number of the Farmer with them. Of these addresses and proceedings, we shall endeavor to select such parts as are most practical and of most general bearing.-Amongst the best of the many addresses on hand, are those of Mr. Barton, Vice President of the Agricultural Society of the Valley, in Virginia, and the one delivered by Mr. Worth, at the last meeting of the Pennsylvania Agricultural Society. Of the proceedings of the Berkshire Ag-

lows. Our own Board of Trustees may take some hints from what is said about the appropriation of premiums for certain designated objects.]-Ed. Am. FARM. Best Managed Farm-the residue of a special

ricultural Society, forwarded for publication,

we are compelled to omit all but that which fol-

First premium, to William Weller, of Pitts-

Second do. to Oliver P. Dickinson, of Pitts-15

members, agreeable to the 7th article of the By Laws.

For this premium, which the committee conmore strongly shews Col. Bosley's great exertion sider as the most important of any on the Socieil—and of what particular kind?

Answer. Three hundred barrels of corn—two very small part, were hauled a distance of eight never be abandoned, because it embraces within itself "good management in every department of own. The committee are of opinion, that pre-effective value to our readers. The interruption husbandry," there were but three farms entered; miums on moderate sized orchards, to consist not of it, which has occurred would be inconvenient. on each of which, the committee found so much to approve, so much neatness and economy, con to approve, so much neatness and economy, con nected with such admirable system, and praise worthy industry and perseverance, that they would gladly go into considerable detail in relation to tach farm, were they not forbidden, by the necessarily circumscribed limits of a report. The committee cannot, however, refrain from remarks by, as by adopting the practice and experience to Paris—scientifically denominated, Selenite. committee cannot, however, refrain from remarking, in regard to that of the venerable Judge Walker, that he has successfully introduced the system of rotation, judicious management, and President, in 1819.

The committee are fully aware that their decision will probably disappoint many. They trust, however, with confidence, their endeavors to do impartial justice will be appreciated, even by nor of a prize, they beg leave to remark, that it is that all the improvements they make in this ho- the expense. to offer to view the results of their industry and skill in the parent art; the art, which of all others, deserves to be the most venerated and encouraged; because, directly or indirectly, every member of the community owes to it, all his end to the Agriculturist," (as is very justly remarked by the celebrated Davy) "are likewise those of the patriot; reen value most, what they have gained with effort: a just confidence in their own skill in an address of the Hon. Jonathan Roberts, Society, its present Professor, Dr. J. T. Ducatel, will answer to all reasonable calls on his time, and talents, which have a tendency to promote the cause of practical agriculture and of general successive years, cease to afford either summer pasture, or winter fodder; whilst cause of practical agriculture and of general science.

In regard to Gypsum, our author tells us that it may unravel some perplexities, and conduce to a tot the use of Lime, and its effects have been scarce-by the celebrated Davy) "are likewise those of the Pennsylvania Agricultural Society, its present Professor, Dr. J. T. Ducatel, will answer to all reasonable calls on his time, and talents, which have a tendency to promote the cause of practical agriculture and of general science.

In regard to Gypsum, our author tells us that it may unravel some perplexities, and conduce to a fair estimate, if we treat of it under the follow-liked."

Fourthly, on naked fallows. On some soils and the following heads.]—Ed. Am. School of the pennsylvania Agricultural Society. gained with effort; a just confidence in their own powers results from success; they love their counwith their interests, the existence of those insti-

The committee have availed themselves of the opportunity afforded, not only to remark on the general state of agriculture, but to profit of occasions to elicit valuable information from the many enlightened farmers whom they have met during their several tours; and deeming it incumbent on them to communicate to the Society, whatever, in their opinion, may tend to the pro-motion of its views, or the extension of its use-fulness, have judged it advisable to make it the subject of a separate report, which is hereunto Per order, annexed, marked B. Per order, THOMAS MELVILL, Jr. Chairman.

AGRICULTURAL REPORT .-- [B]

of its usefulness, beg leave to offer a few brief remarks, with a view to this important subject.

while it is equally so, that for the most part those lately set out are left to their fate. As well might we expect a young child would thrive and flourish, in defiance of want of nourishment, and the assaults of disease, without care, assistance, and protection, as that a young tree should work out

only of the apple, but of pears, plums, and cher- if it were not, as we have before explained, that ries, would produce a salutary effect.

of those who have scientifically and successfully or Sulphate of Lime. It is found in Oxfordshire, investigated the subject, as to the best means of and many parts of England and America. The making, increasing, and fireserving—and the best writers of that country tell us that it is composed regularity of accounts, which he so earnestly re- manner of applying them, to various soils. The of water, salphuric acid and lime; 22 of water, commended in his address to the Society, when primary object being to increase the quantity, the 46 of salphuric acid, and 32 of lime. When the committee beg leave to suggest the propriety of water is expelled by heat, we are told, that the instituting premiums on this subject.

abounding in Limestone, as is the case in Berk shire, it would seem interesting to fermanent operation, there is much difference of opinion .those who may deem them unsuccessful; to such, improvement in husbandry, to institute an inquiry, We regard it as a matter worthy the investigation as well as all others who may not obtain the ho- for the purpose of ascertaining how far our soils of our worthy Professor of Agricultural Chemismay be improved by its use in what manner it try; we have understood that it has been the subimpossible all should obtain rewards; that their may be most efficaciously applied-and, if the ject of special care and analysis with the accom-

Fourthly, on naked fallows. On some soils, and under some circumstances, they are undoubtedly is found native at Shotover Hill, Oxfordshire; try better, because they have seen it improved by necessary: whilst on others, they cause not only and abounds in many other parts of England. their own talents and industry; and they identify the loss of one crop, but a needless expense of Natural gypsum commonly consists of water, sullabour. Judicious rotations, adequate manuring, phuric acid and lime; 22 parts of water, 46 of the culture of corn, peas, and rape, (the former, sulphuric acid, and 32 of lime. When the water pendeuce, and the multipled enjoyments of civili-of an early kind, to be cut up when seared, and is expelled by heat, the other constituents keep zed life." removed from the land to ripen and cure in stacks their proportion unaltered. As a manure, it is —and the latter, to be fed to sheep)—or, the the subject of much difference of opinion. It ploughing in of green crops, it is believed, would may unravel some perplexities, and conduce to be more advantageous, than the present general a fair estimate, if we treat of it under the four

Fifthly, on Winter Meslin. Experience having demonstrated that this crop is subject to less ca- in few soils any thing which can decompose it; sualties than either species of grain, when sown and while its elements remain fixed, it neither separate, the committee would recommend, that assists the putrefaction of animal remains, nor it be introduced into the list of premiums.

spread his labor over as great a surface as possile; such ashes have been applied with good effect as consequently, the study and practice of the true a top dressing for cultivated grasses. In corres-principles of agriculture were neglected, until necessity awakened us to the need of a reform.

port in their infancy) to perceive that the object cess of it above what other crops absorb in their is pursued with a zeal and intelligence, which characterizes the efforts of a self-governed peo-And, firstly, in relation to Fruit Trees. It is characterizes the efforts of a self-governed peo- and in the dung of all cattle fed on grass; and it evident our old Orchards are rapidly decaying, ple, whatever may be the objects to which they is not taken up in corn crops, or crops of pulse, are directed.

THOMAS MELVILLE, Jr., Chairman. Pittsfield, Oct. 5th, 1824.

TREATISE ON SOILS AND MANURES. [We resume this subject with pleasure, under its own salvation, without any exertions of our a perfect conviction of its practical tendency and

the treatise we are giving may be naturally broken other constituents keep their proportion unalter-Thirdly, on Lime. In a district of country ed. As a manure, on the question of its modus operandi, or to speak more plainly, its mode of turn for premiums may come another year; and benefits resulting from its application will warrant plished Professor of Chemistry in our University, Dr. De Butts; but it is not probable, judging from norable strife, will either give them immediate profits, or add to the value of their farms. Be-on the attention of the Society, not only from a ment, leisure and inclination to favour the plodsides the committee indulge the hope, that a high-cr and nobler wish than that of being the success-but especially from its having been recently stat-tions of his closet researches. Happily for our ful competitors, had an influence in inducing them ed in an address of the Hon. Jonathan Roberts, Society, its present Professor, Dr. J. T. Ducatel,

V. Gypsum, Selenite, or Sulphate of Lime, following heads:

I. Theory of its operation.—Gypsum meets the decomposition of manure. The ashes of par-Whilst we had an abundance of fresh and ticular sorts of peat contain a considerable quan-fertile soil, it was the interest of the farmer to tity of gypsum; some kinds, a third part: and pondence with this, the ashes of sanfoin, clover, and rye-grass, afford considerable proportions of and on them, as not circumscribed to the views of through every section of our happy country, for whatever may, in their opinion, have a tendency to the promotion of its object, and the every section. And it is gratifying (expecially soils is not generally efficacious is probable with the promotion of its object, and the every section of the promotion of its object, and the every section of our happy country, for soils is not generally efficacious is probable with the promotion of its object, and the every section of our happy country, for soils is not generally efficacious is probable with the promotion of its object, and the every section of our happy country, for soils is not generally efficacious is probable with the promotion of its object, and the every section of our happy country, for soils is not generally efficacious is probable with the promotion of its object, and the every section of our happy country, for soils is not generally efficacious. cause most cultivated soils contain sufficient quangrowth. Gypsum is contained in stable dung, and in the dung of all cattle fed on grass; and it and in very small quantities in turnip crops.

It is possible that lands which have ceased to

bear good crops of cultivated grass, may be restored by a dressing of gypsum.* As to the general standard for the application of gypsum,

* Elements of Agricultural Chemistry, ft. 224.

lucerne, clover, and most of the artificial grasses: the essence of the fruit. But where the soil already contains a sufficient

It has lately been asserted, on the authority of principle in gypsum, Mr. R. Bakewell, a corres-

where it has most fully succeeded.

buted material aids for judging when to apply it: fourth, sulphate of barytes is perfectly insoluble burning clay into ashes, for a top dressing. It is

—But perhaps he has not adverted sufficiently to in water: and it is a reasonable suspicion that it not a recent invention: for very particular inthe inimitable chemistry of nature, by which she may disengage the elements of gypsum when buried in a suitable soil, and enable particular plants to extract them in a simpler form. It therefore becomes important to recollect, that therefore becomes important to recollect, that acid upon sugar, and several other vegetable subtherefore becomes important to recollect, that acid upon sugar, and several other vegetable subtherefore becomes important to recollect, that acid upon sugar, and several other vegetable subtherefore becomes important to recollect, that acid upon sugar, and several other vegetable subtherefore becomes important to recollect, that acid upon sugar, and several other vegetable subtherefore becomes important to recollect, that acid upon sugar, and several other vegetable subtherefore becomes important to recollect, that acid upon sugar, and several other vegetable subtherefore becomes important to recollect, that acid upon sugar, and several other vegetable subtherefore becomes important to recollect, that acid upon sugar, and several other vegetable subtherefore becomes important to recollect, that acid upon sugar, and several other vegetable subtherefore becomes important to recollect, that acid upon sugar, and several other vegetable subtherefore becomes important to recollect, that acid upon sugar, and several other vegetable subtherefore becomes important to recollect, that acid upon sugar, and several other vegetable subtherefore becomes important to recollect, that acid upon sugar, and several other vegetable subtherefore becomes important to recollect, that acid upon sugar, and several other vegetable subtherefore becomes in acid. gas, about 40 parts; and oxygen, 60 parts; and that when the water suspended with the two gases is dissipated, the proportions will be nearly, 16 parts.

Condensible into sulphur . 64 Oxygen 20 Water 100

Professor Davy in another place notices) contained in plants, or afforded by their ashes, are very numerous. The *sulphuric acid*, combined with potassa, or sulphate of potassa, is one of the most usual. Compounds of the nitric, muriatic, sulfihuric, and phosphoric acids, exist in the sap of most plants." In analogy with some late experiments of De Saussure, we may further suppose that sulphuric acid, diluted with water by To close this theoretical part, sulphuric acid the chemistry of Nature, may be instrumental in has a great attraction for water, and may be useconverting the starch of plants into sugar. "As ful in a soil in summer. Where the sulphur can-tables, and which is to be planted with any of starch boiled in water with sulphuric acid, and not be decomposed, it may diminish the coldness the exhausting culmiferous crops, or other crops thereby changed into sugar, increases in weight without uniting with any sulphuric acid or gas, or without forming any gas, we are under the ne. cessity of ascribing the change solely to the fixation of water. Hence we must conclude, that starch-sugar is nothing else than a combination of already saturated with gypsum or lime, are there starch with water in a solid state. The sulphuric any descriptions of soil on which decomposed is so tedious and expensive, that even where the gypsum might have a bad effect? 1. Would circumstances of the land demand such an imstarch as a constituent; nevertheless it is likewise found that long boiling in pure water does iron? This may be put as a caution; for sulnot convert the starch into sugar." This fact phate of iron is pernicious to vegetation; but as opens a large field for rational speculation on the lime is the antidote to that vice in a soil, decom physiology of vegetables; as it renders it possible posed gypsum seems, even in this case, to contain It is also mentioned in the Country Gentleman's that some of the mineral acids in the sap of its own remedy, unless the proportion of lime be Companion by Stephen Switzer, Gardener, (Lonplants, after acting chemically on the juices con-

those plants seem most benefitted by its application which always afford it on analysis; such as they may after the flavour without entering into

Another step in the process of conversion brings quantity of this substance for the use of the grassus, its application even on pasture cannot be ad-analysis. Sceds, sown by way of experiment on to have derived from Europe the first suggestions vantageous: for plants require only a determinate nothing but this mineral, have produced healthy quantity of manure; an excess may be detrimen-tal, and cannot be useful.

nia, that gypsum is only useful as a manure in culated to decompose it. It is true that the means hypothesis that sea-air destroys the fertilizing by the oxalic acid; 2. by carbonates of potash; 3. by carbonate of strontian; 4. by muriates of reaped much benefit from the same resource. pondent of the Monthly Magazine, proceeds to barytes. The second and third solvents are only pactount for its failure as a manure in so many mentioned to be dismissed, as unlikely to be of parts of England. It is enough to dispel this any use in agriculture: the carbonate of lime geopinion to name the county of Kent, as the place period of the second, being less soluble in water [On the subject of Burnt Clay, much has been here it has most fully succeeded.

| than the sutpnate; and chark, when wanted, carbonate |
| the following:
| The third, carbonate |
| the following:
| VI. Burnt Clay.—Of late, very flattering reconstituents of this manure, the composition of of strontian, is a newly-discovered earth, of rare the soil, and the nature of the plant, has contri- occurrence. As to the compound produced by the ports have been circulated of the practice of would be pernicious to vegetable life.

> and is procured artificially by the action of nitric ter by Mr. Craig, has excited much attention, mutual action between that sort of peat and gyp- although the experience had of it is not yet exsum. Perhaps such a compound might be cheaptensive enough to form a ground of recommending imitated, by mixing vegetable mould and wooding it for general application. It is called "Burnashes, urine and gypsum; or short muck, old ing Clay for Manure:" yet, as the torrified powcow-dung, sca-weed, and gypsum,—substituting, der is not valued for any vegetable ashes suppos-where sea-weed cannot be obtained, soap-lye; or ed to be contained in it, as in the common prac-

and water.

may we not conclude that a large number of ve-luble compound, or diminish the nutritive richgetables, constituted to reject the calcareous base ness of a compost, gypsum may not be a capital to it should much contract the field for the opealtogether, may appropriate some modification of ingredient; for instance, with some of the fol-the other elements: "The saline compounds (as lowing substances; oily matters;—animal acids; Thus, suppose the agriculturist is induced, from —all animal manures, particularly such as contain albumen, (one element in the white of eggs clayey soil, not well adapted to their growth, it is sulphur;)—the common dung of cattle.

licate aphides by the same impregnation; and it

crust upon them.

In addition to the common case of land being it not deteriorate a soil containing particles of its own remedy, unless the proportion of lime be Companion, by Stephen Switzer, Gardener, (Lonthought too low. 2. Might not the sulphuric acid don, 8vo. 1732.) This latter work states, that the hurt the texture of a soil almost wholly composed Earl of Halifax was the inventor of this resource: of pure clay? Sulphate of alumina is not bane- and it gives several letters, written in 1730 and ful to plants as a salt, though, as a mineral ear- 1731, attesting its success in several parts of Eng-See a Translation of the original Paper in An-thy compound, it is not the most tractable under land; with accounts from Scotland that it had its formation, or to dissolve it.

II. Experience of it abroad.-It is about half a century since gypsum was discovered to have in Pennsylvania almost a magical influence on the growth of red clover; and it is there held in rito have derived from Europe the first suggestions for applying this manure to artificial grasses. M. Gilbert, from whom a quotation is given in Sect. v., states the practice to have long prevailed in The peats or loams on which gypsum has been France with signal success. In Germany, Mr. a gentleman resident at Pittsburgh, in Pennsylva most successful, may contain vegetable acids cal- Mayer, a clergyman, discovered the use of gypsum as a manure about the year 1768; and in those parts of the United States that are distant by which human art can at present separate its Voghtland, in Saxony, gypsum earth is said to from the sea not less than eighty miles. On the elements are very limited. It is decomposed, 1. have converted several barren tracts into fruitful fields. The agriculture of Switzerland has also

Here follow some experiments and details pe-

On the subject of Burnt Cluy, much has been

structions for doing it are given in a small Trea-To recur to oxalic acid, the first-mentioned sol-tise, published near a century ago.† Revived vent. This is naturally present in wood sorrel, lately in Scotland, the process described in a letbleacher's lees; or salter's refuse, vegetable ashes, tice of paring and burning, but is simply to operate as burnt earth, it were more correct to modi-Now, instead of confining the possible benefit to such plants as afford gypsum in an unaltered state, those cases where quicklime would form an inso-Texture of the soil." This is not a verbal distinction, but a practical difference. If attention is plain that the ashes of burnt clay, copiously Further, as mild lime and gypsum seem to be distributed over the surface, would immediately as unlike each other as two substances with the consult the habits of the plant, by dividing a tesame base can well be, it may be of practical nacious, and rendering drier a humid soil; and benefit to compare their effects in various composts of the same strength.

thus, without supposing the burnt clay to act as
a manure, the texture of the staple would receive To close this theoretical part, sulphuric acid a permanent improvement. On the other hand, if on a soil not rich in the common basis of vegeof some lands. Gypsum may be offensive to de-dependent on a generous soil, the panacea of mere burnt earth is resorted to, as a substitute for the may kill some hardy insects by setting into a hard long tried proportions of consumable manure, the result of such an ill-timed application of fire must be disappointment.

[†] Elements of Agricultural Chemistry, p. 19. ‡ For October, 1815.

[†] The Practical Farmer; or, the Herefordshire Husbandman. See a letter in the Farmer's Magazine, No. LXIII. with the signature " J. G. F." nals of Philosophy, for December, 1815. (No. tillage: but here again lime is present, to prevent answered better than lime or dung;—but it was XXXVI. pp. 425, 426.) found too expensive.

of tillage. If, however, he is satisfied to prepare land, by this practice, for the green crop, atmosphere. or other stage of a rotation which most requires it, and is attentive at other times to keep up the nures adapted to repair the exhaustion of preceding harvests, and to meet the appetite of the upon burnt earth as a manure will be avoided. of paring and burning turf, and the useful com- season, two thousand single carts of ashes.' merce in peat ashes; neither of which is a novelty. So a marl, fraught with animal remains, is decidedly a manure.

coal, or any combustible refuse. As to the quan- crop. tity of ashes to be applied, the *Hertfordshire Husbandman* says,—"About forty bushels, sown on an acre by the hand, out of the seed-cot, and stances, or by being continued after a sufficient harrowed in with barley and grass seeds, does change has been effected in the original constitu-vast service." The Scottish agriculturists assign tion of the soil. Burnt clay can only be what phyfrom twenty to twenty-five cubic yards per acre, sicians would call a topical remedy. as a dressing for turnips.

When kilns are used, limestone may be burnt

with the clay.

If this practice be combined with that of burning with lime instead of fire, the expense will be lessened, and a manure of better composition obtained. It may be acceptable to describe a good

method of doing both together.*

Pare off the sods, or turf, and surface clay, with the skim coulter plough, or other convenient instrument, and dry the parings ready for burning. Get quicklime fresh from the kiln in the following proportion; having marked out a base for the pile, for every square superficial yard, three Winchester bushels of lime; or for a mound seven yards in length, three yards and a half in breadth, 72 bushels. In building, begin with a layer of dry parings, six inches in height; on which spread half the lime intended to be used, about five inches thick, mixing sods with it; then ed with the dung of certain sea birds, which aa covering of eight inches of sods; on this the bound here in a very extraordinary manner .other half of the lime is spread, and covered a foot thick; the height of the mound at this stage combustion by applying water. In twenty-four hours it will take fire. When the fire is fairly commends obtaining a sufficient quantity of ashes dung. hefore any clay is put upon the mounds. as of no value; but they ought certainly to be

Some idea may be formed of the spirit with which Mr. C. has taken up the trial of this sysvegetable strength of the staple by soluble ma- tem of surface-soil and clay-burning, when he But, however it be, this is the manure used in says, "I have just completed paring twenty-six the fields sowed with maize, and with proper waacres of clover lea of the second crop, which I tering, is found greatly to fertilize the soil, a little expected crop, the texture of the soil will be intended next year for turnips. The sods were of it being put close to every stem, and immedigradually improved, while the danger of relying well broken with the harrows, which freed them ately watered. It is also of use in fields of other of the greatest part of the mould. The residue the surface burnt is a peat, or moss, or contains was burnt, and has afforded me above a thousand the roots or other remains of plants, the ashes single-horse carts of ashes. There are twelve may be truly a manure; but then the principle mounds with seventy-two Winchester bushels of and its application are assimilated to the practice lime each—I have manufactured for use this

On lands thus manured, while turnips and clover have, in the most favourable cases, surpassed The clay may be either burnt in heaps, or in sent the balance of experience from the recent tained from the small roosting islands of the sea kilns. For this purpose, it is dug or pared off in trials seems to have this inclination: the advan- birds, all along the coast; and is of two colours shallow spits, about four inches thick. Two lay- tage of burning clay alone is questionable, as a and qualities,—the red is considered the best, the ers of these are commonly taken. Whether any measure of general application; and unless vegepart of the subsoil should or should not be also table matter or lime is burnt with it, the benefit dug up, depends upon its composition. It accele- will seldom repay the expense. When clay has rates the process of ignition to set the spitfuls been burnt alone, dung, or other manure containfirst to dry, either separately or in open piles .- ing vegetable nutriment, should be spread with The kiln may be fired with furze, wood, cinders, it, especially in preparing land for an exhausting

GUANO-A celebrated Manure used in South America.

[With some other curious articles and valuable seeds brought from the Pacific by Midshipman Bland, in the Franklin, he favoured us with a specimen of GUANO, and with some extracts in regard to it. These we handed to our obliging Professor of Agricultural Chemistry, Dr. Du-CATEL, and from him we have obtained the " Description of the Guano, or Peruvian MA-NURE," which follows the extract from Ulloa.] [Ed. Am. Farm.

GUANO DUNG.

Extract from "A voyage to South America," by Don Antonio de Illoa.—vol. 2, page 99.

"The lands in the jurisdiction of Chancay, like the other parts of the coasts of Peru, are manur-These they call Guanoes, and the dung guano, the Indian name for excrement in general. These being about a yard. Mr. Curwen deems it better birds, after spending the whole day in catching and of a smell resembling that of castoreum.to suffer it to ignite of itself, than to effect the their food in the sea, repair at night to rest on the islands near the coast; and their number being so great as entirely to cover the ground, they kindled, fresh sods must be applied Mr. C. re-leave a proportionable quantity of excrement, or commends obtaining a sufficient quantity of ashes dung. This is dried by the heat of the sun into a crust, and is daily increasing, so that notwithfire naturally rises to the top. It takes less time in piling, and effects more work, to draw down the ashes from the top, and not carry the mound higher than six feet. The clay if not sufficiently burnt is lumpy, and untractable under tillage; on the other hand, Mr. C. regards calcined ashes to the ashes to the contribution the other hand, Mr. C. regards calcined ashes to the contribution that the contribution the contribution to the contrib

provement, the outlay would overwhelm the far- journt to a powdery state, or until they will fall to prove it to be the excrement in question. I was mer-unless he intermit the practice during those powder from a slight stroke; and it does not ap- in these islands when several barks came to load stages of rotation in which he can raise beans, pear that the calcination of any earth lessons its and other crops fit for clay soils, by easier modes absorbing power. The finer clay-ashes are, the of tillage. If, however, he is satisfied to present a stage of rotation in which he can raise beans, pear that the calcination of any earth lessons its with it; when the insupportable smell left me no room to doubt of the nature of their cargo.—

of tillage. If, however, he is satisfied to present a stage of rotation in which he can raise beans, pear that the calcination of any earth lessons its modes. The finer clay-ashes are, the no room to doubt of the nature of their cargo.—

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If the fine relative to the room to doubt of the nature of their cargo.—

If the fine relative to the room to doubt of the nature of the room to doubt of the nat may be mixed with earth, or that the most superficial part of the earth does not contract the like virtue, so as to produce the same effect.grain, except wheat and barley; and, consequently, prodigious quantities of it yearly used in agriculture.

NOTE. - The Chancay here spoken of, lies along the coast adjoining, and to the north of Lima .-The specimen of guano dung furnished you was procured at the port of Molienda, a small village a few miles to the north of the river Tambo, in expectation, wheat has fallen below it. At pre-the jurisdiction of Moquehua. This dung is obwhite not so good. The white guano is found in great abundance on the island of the village of Iquique, in latitude 20°, 12', S.

> Amongst other valuable and curious things brought by Midshipman Bland from the Pacific Ocean, was a small quantity of that celebrated

manure, Guano dung, possessing such astonishing fertilizing properties.—Of this article he furnishes the following notice:-

DESCRIPTION OF THE

GUANO; OR, PERUVIAN MANURE.

This substance to which the naturally sterile coasts of Peru, owe their fertility, had already been partially described by Don Ulloa. Messrs. Humboldt and Bonplan have, however, more recently, by communicating specimens of it to Fourcroy and Vanguelin, furnished an opportunity of becoming satisfactorily acquainted with its nature. The analysis of it, made by the latter named chemists, and which is detailed in the 56th vol. of the Annales de Chienie, gave the following

1st. A fourth part in weight of uric acid, partly saturated with ammonia.

2d. Oxalic acid, partly combined with ammonia and potash,

3d. Phosphoric acid, united to the same bases, and to lime.

4th. Small proportions of the sulphates and muriates of potash and ammonia.

5th. A small proportion of fatty matter.

6th. Small proportions of silicious and feruginous sands.

In Rees' Cyclopedia, the guano is described as a yellowish brown earthy substance, without taste, The specimen furnished by Midshipman Bland, has a saline taste, and a slight castoreum odour Exposed to the fire, it blackens and emits strong ammoniacal fumes, as observed by Sir H. Davy.

It is found in strata of from 50 to 60 feet in thickness, which are worked on the surface, in the same manner as iron ochre mines. The island of Chinche, near Pisco, on the more southern coast of Peru, (no where, however, observes Mr. Humboldt, but between the 13th and 21st degrees of S. lat.) and the small islands of Ilo, Isa, and Arica, ties carried off from those islands, and on the ex-periment made by digging or boring, by which ted by immense flocks of birds, principally of the the appearance at a certain depth was the same heron and flamingo genus, (Ardea it Phanicopte-* The following is derived from the Letter of Mr. Curwen, of Workington-Hall, to Mr. Demperature as at the superficies; whence it is concluded, that the curve, of Workington-Hall, to Mr. Demperature, of Dunichen, fiublished, by fiermission, in the quality of dung, or guano. This would seem less improbable, did not both its appearance and smell sible, that such immense strata, should have been

guano might not be considered, as the product of pound. one of the revolutions of the earth, and classed

full beneficial effect on crops. Its principal application is to corn; but it must be used in small

the plant, when used too freely.

transportation of this manure, perform the voyage serve the finest, and put off the coarse ones, I ments which has been accomplished in the breed to and from Chiuche, in twenty days, in boats call-have now got the flock in such a state, that the in question. hundred to two thousand cubic feet of guano .-The price of the vanegu, (1 3-5 bushel) at Chancay, is four francs (80 cents); at Arica, 15 francs, (\$3); making it, as may be perceived, a very profitable business. It is said that the strong am- unwashed, and to manufacturers in this state. moniacal smell, which the guano emits, would to be incessantly sneezing.

It may be here observed, that the dung of pilogy to the guano, is known to form a very valua- per, in which I feel much interest. ble manure. Hence, in France, it has been proposed to use, for the same effect, those immense accumulations of bat dung, which occur in the extensive caves of the Department of Yonne.—
In this country, the soil under the woods, where quest upon the subject. What we wish further In this country, the soil under the woods, where quest upon the subject. What we wish further great flocks of the wild pigeons roost, must be and particularly to know the current price of an appropriate in the different state current price of the wild pigeons. highly impregnated with their dung, and would

no doubt, form an excellent manure.

TO CO

MERINO SHEEP, Weight of Fleeces, Prices of Wool, Effect of Turiff, &c. &c.

TO THE EDITOR OF THE AMERICAN FARMER. Rahway, Dec. 6, 1824.

Respected Friend-I observed some questions addressed to persons interested in sheep in the addressed to persons interested in sheep in the tracts relating to the present prices of merinos, lons two quarts.

Farmer, which I am willing to answer as far as with remarks on keeping them.]—Ed. Am. Far. YELLOW ROSE, at four years old, four gal-I am able.

First-I do not know what are the legal provisions in our state for the protection of sheep against dogs, as our legislature make and unmake their laws at such a rate, that it is difficult to keep up with them. In some parts of the state, however, the amount of the dog tax is applied to making up the losses sustained by the destruction of sheep by dogs; but it falls very far short of the object, and there is no doubt, but the number of sheep in the state would be much greater, if they could be effectually secured against dogs.

Second—The present low price of wool is dis. couraging; but we have a hope that the new tariff, will, by checking the importation of foreign almost all that can be calculated on, the carcases duce. being very unsaleable, although, notwithstanding when of the right age and sufficiently fat, to be which are greatly inclined to carry flesh, can give quite equal at least to the common breed of the much milk. Some of their reasoning is plausible

with the formations of coal, and fossil wood? Mr. yield is as nearly as can be four pound the fleece; able to theories, in order to justify his rejection of Guido Ricci has consequently proposed to give it the flock round when shorn without washing, the opinion of men, otherwise, perhaps wiser than a place in our Mineralogical systems, under the which has been my practice for the last five years, himself. name of Ammoniaque Uratée, (Urate of Ammo- partly from its being less trouble, and partly from It is not here meant to deny that the useful nia,) or at least to consider it as a natural product. a belief that the merino from his close and thick quality of giving much milk, has not in certain From the composition of the guano, it is easy fleece, is injured by washing, especially if a spell instances, for a time, been lost, by persevering in to conclude its fertilizing properties, and it must of wet weather immediately succeeds, which is a favourite line of blood, in which that quality did be judged to be a powerful manure. Sir H. Davy not uncommon at that season of the year. When not predominate, and by other causes which it is observes, that it requires water for the solution washed on the back, the average was about three unnecessary to enumerate. It is only contended, of its soluble matter to enable it to produce its pounds the fleece, making a difference of one that the two properties of good milking, and a disquarter.

ed Guaneros. Each boat containing from fifteen wool is considered by experienced manufacturers, descendants from the imported Spanish sheep.

over one of the volumes of the Farmer, it had

flock of pure merinos, property of N. Ridgely, Esq. and sold on the breaking up of his farming establishment in Montgomery, sold a few days since at \$6 per head, the remainder proportional given, and give, twice a day, as follows:—bly less. We shall, in our next, give further ex-YELLOW ROSE, at three years old, four gal-

Extract from a Pamphlet, entitled " IMPROVED SHORT HORNS, and their pretensions stated; Short Horns, and their firetensions stated; WILDAIR, four gallons. being an account of this celebrated breed, deri-WESTERN LADY, three gallons two quarts. ved from authentic sources. Dedicated to Sir Charles Morgan, Bart. M. P." Liverpool,

It therefore only remains, the pretensions of ADELA, first calf, three gallons. Short Horns having been established as a good YARM, three gallons. grazing stock, that a few words be added on their MOSS ROSE, at all times a moving mountain of utility for the dairy; a quality which, lightly as it may be regarded in the county of Hereford, has, notwithstanding, been found, especially in the late distressing times, to put an end to the clamour of wool, and at the same time giving some small en- many a scolding housewife, whose philosophy couragement to our manufactures, enable us to was unequal to support her under the mortifica-get a better price for it hereafter. If it does not, tion of returning from market without the luxuthe keeping of merino sheep will not be an ob- ries of tea and sugar in one corner of her bas ject worth attention; as with them, the wool is ket,-the unhappy result of having no dairy pro-littles.

An opinion has gone forth, and is zealously proterate prejudice against it; and selling the sheep founded on experience at home. It is not by ar-in their ignorance of the improved breed, have

accumulated in that way alone. The question for breeders, is almost out of the question, while gument, however, that this question will be decidther suggested by Mr. Homboldt, is, whether the the wool continues at the low price of 50 cents a ed; and as the author presumes to differ from these gentlemen on this point, it will be proper Third-My flock consists of about 550, and the to state his facts, which appear to him far prefer-

position to carry flesh, may be united, where both I am well satisfied that the merino sheep, so are duly attended to; and although the very great quantities, its causticity being fatal to the roots of the plant, when used too freely.

Tail well satisfied that the method sheep, so die day account and although the very great quantities, its causticity being fatal to the roots of the plant, when used too freely. Messrs. Humboldt and Bonplan to whom, as be-fore observed, we have been indebted for the began 12 or 13 years ago, I purchased a few meri-the deficiency in quantity will be more than atonmeans of ascertaining its value, further remark:— nos, and by crossing them with the old flock of ed for by the superior quality,—an increased that the inhabitants of Chancay, engaged in the coarse wooled sheep, being careful always to pre-richness in the milk being one of the improv-

As some reflections may, perhaps, be made upto be fully equal to some flocks which are pure on the selection of one stock, to afford instances of the improved Short-horns possessing valuable The price I have sold at, as mentioned above, dairy qualifications, it may not be improper, in has been for the last four years about 50 cents this place, to disclaim any intention to favour a particular stock. In collecting the facts which The communication respecting a new mode of these pages contain, no trifling trouble has been cause those unaccustomed to its neighbourhood, burning lime I did not send, as I found on looking experienced; and the author having made known his intentions as widely as his opportunites would already been published. I shall at all times be allow, it became necessary for him to wait the geons, and of other birds, which bears much ana- happy, if I can in any way contribute to the pa- pleasure of such gentlemen as should condescend to communicate with him, and to avail himself [We are much indebted to the writer of the of the communications which reached him, withabove-similar letters-one at least from each out any reference to those he might hope for. The instances which are given as to milk, were obtained by himself on the spot; and though he would gladly have included any others, had they and particularly to know, is the current price of been furnished; it appears to him that no trifling pure merinos in the different states, and along with force is afforded to his argument, by the circumthe price of the sheep, let us have that of their stance of the cases which are set forth being dewool; for the furity of the former must, in a rived from one stock,—irrefragable proof being great degree, be tested by the price of the latter, thus furnished, that they are not solitary instantion. We understand that the choice lot of a ces, but happening in the regular course.

The cows recorded, are the property of J. Whitaker, Esq. of Greenholme, near Otley, and are of the most esteemed blood. They have

lons three quarts. RED DAISY, four gallons. MAGDALENA, upwards of four gallons.

VENUS, sixteen years old, three gallons one

ALFREDA, three gallons.

flesh, two gallons. All wine measure.

These cows are steady milkers, possessing great inclination to fatten, and Mr. Whitaker cannot be too highly complimented on his successful exertions to combine the two qualities, The remainder of his stock will be found by no means contemptible as milkers; but it is thought unnecessary to remark upon any ordinary quan-

Having thus drawn his account of this celebrated breed to a close, it only remains for the authe prejudices against it, we consider the mutton pagated by Hereford breeders, that no animals thor to remind his readers, that it is of the improved short-horns he writes, and not of the general herd of cattle, which are sold as short-horns, country. The butchers, however, have an inverbut very frequently inapplicable, and invariably from the northern districts; and to those who,

been forward to condemn them, unseen and unknown, he cannot, probably, recommend a better course than that of perusing the following catalogues, from which valuable information may be gleaned, until opportunity shall be afforded for personal inspection.

---THE UTILITY OF THOUGHT,

And the necessity of investigation, to the progress of Agricultural Improvements.

[We have so often, so sincerely disclaimed personally, the merit ascribed to the journal that we merely arrange and conduct, that we may claim exemption from the charge of any unbecoming motive in publishing the following extract from a letter lately received from Professor OLMSTED. We should not do it, if, in speaking well of our journal, he did not inculcate forcibly what we have done in a much feebler manner: to wit-the power of thought and the necessity of believe it to be strictly true, as he says, that most of the leading improvements in the appli cation of manures, in the routine of cultivation, in the construction of Agricultural Buildings and Implements, &c., have originated with men who have, in the practice of other professions, necessarily acquired a habit of study and research, into the causes and principles of what they see and what they have to do.]—Ed. Am. Far. Chapel Hill, N. C. Oct. 12, 1824.

Dear Sir,-

the labourers, the markets, are all different.

With regard, therefore, to an agricultural li brary, I have entertained views similar to those of an elderly clergyman of my acquaintance, who used to say, that ministers needed but two books, Shakespeare and the Bible; the former to teach them human nature, and the latter to teach them divinity. Accordingly, I have ventured to tell my pupils who were going to be farmers, that they would need but two books, Davy's Agricultural Chemistry and the American Farmer; the former to teach them the philosophical principles, serve that professional men, as judges, lawvers good earnest to agricultural pursuits, turn out at last, after a little awkwardness at first, some of the best farmers in the community, and do, in fact, originate the greater part of all the improveare more accustomed to think, than those who warm, with a free circulation of air.

flecting men will enjoin with their experience, has nothing but pasture, the reason and nature of the case; and I think it is a clear maxim, that we can do any thing better for knowing the reason of it. One great use, there fore, of such works as the American Farmer, is I think, to promote among agriculturists habits of thinking, of observation and inquiry; not merely by suggesting new modes of farming, but also by enlightening the mind of the farmer, and rendering him capable of conducting his business with more intelligence and skill.

I trust these observations, sir, will convince you that I place a due estimate upon your labours, and that I desire that the American Farmer may have as wide a circulation as possible.

Respectfully yours,

DENISON OLMSTED.

0 REARING CALVES.

of rearing it.] - Edit. Am. Far.

its ever troubling the cow, it should not be allow-turbance to horses that are fatigued and in want The extensive agricultural interests of this ed to suck at all, but taken from her as soon as of rest. Double-headed stables are bad, not only this topic than is usual, in a course of chemical in a trough (rather than a bucket or piggin, which The roof of a stable should be lofty; when it is can Farmer," than from any thing more that I four to six weeks old, rye or corn mush should are those where nothing intervenes between the husbandry; and foreign works on agriculture, as to be conveniently spared, and its place supplied tered tile form the best mode of ventilation.

have always been farmers and nothing else. Re-Idry food till the month of May, since which she

D. WILLIAMSON, JR. Lexington, Nov. 22, 1824.

-0-DISEASES OF DOMESTIC ANIMALS AND THEIR CURE. Stable Management. - The preservation of health is certainly a matter of great importance: and as the construction and management of a stable are materially connected with the prevention of disease, some concise observations on the subject may not be deemed superfluous. Stables should be built on a dry soil that is somewhat elevated; or at least, they must not be built in a hollow, or in the neighbourhood of boggy or marshy land. Stables should be large in proportion to the number of horses they are to contain; perhaps no stable should be made to hold more than five or six, as many inconveniences arise from keepinvestigation, in farming as in other things. We [Volunteer premium Essay .- It will be recollected ing too many horses in the same apartment. Not that amongst other volunteer premiums liberal-only is the air thereby much more vitiated, but ly offered by several gentlemen, Mr. Caton the rest and sleep so necessary to repair the faoffered one for a description of the best and tigues of the day, are thus prevented or disturmost economical method of rearing calves by bed. Some horses will not sleep or even lie down, hand; the calf to be exhibited at the Show.— unless perfectly at their ease; and hence, in large The premium was awarded to David William-stables, that are made to contain a dozen or more son, Jr. who exhibited a calf, and with it pre-horses, as is often the case in livery stables, and sented the following description of the method such as are attached to large inns, the frequent entrance of grooms, ostlers, and other persons To rear a calf without difficulty, and to prevent with lights into the stable, must be a great dissection of country, and the actual destination of it be dried.—So long as the cow's milk be unfit on account fithe number of horses that are kept many of our pupils to agricultural pursuits, have induced me to devote somewhat more space to it should be given to the calf three times a day, likely to happen from their kicking each other. lectures; but after furnishing the student with a are apt to be overturned;) afterwards the calf low, scarcely any mode of ventilation can be effew leading principles, I have endeavoured to pershould never be fed on any other than skimmed fectual without exposing the horses improperly to suade him, that he could derive more benefit milk, which should be boiled, and which is more a draught or current of air. However convenient from the practical remarks of other farmers, re-corded in the different volumes of the "Ameri-therefore unfit for calves;) when the calf is from loft over the stable: the most wholesome stables could offer him. We are by no means prepared, be mixed with the boiled milk-As the calf ad-roof of the building and the floor; and I have had as appears to me, to go into a refined system of vances in age, the milk may be lessened, if not occasion to observe, that roofs made of unplasthose of Great Britain, France or Italy, are, for the most part, either too refined for us, or they apply to a state of society very different from ours, suffering it to remain in steep awhile. They beto a state of society where the soil, the climate, come very fond of this food ;-at times it may be mer. The width of a stall should not be less than necessary to correct the laxative tendency of the clover tea, by mixing with the rye or corn backward, in the proportion of one inch to a yard. meal mush, a little chalk,* the quantity of chalk. The partitions of the stalls should be sufficiently should be lessened or increased according to the high and deep to prevent the horses from injuring effects produced,—the size of an hen's egg is sufficient for one mixture, it corrects acidity, to ses, where a horse in kicking got his hind leg which calves are much subject. When your calf over the post at the end of the stall; one of them can eat hay or grass, you may gradually lessen the milk or tea, give occasionally dry meal or shorts. recovered with difficulty. The floor is usually Winter calves I prefer, as by the time they be- made of pebbles or hard brick; if the former are gin to eat well, the spring is so far advanced as used, they should be small and well rammed, so to afford them fine pasture. The calf in the pen that the surface may have no inequalities. With and the latter to teach them the practice of agriculture. I would not, however, discourage them from procuring Taylor's Arator, Sinclair's Code, and several other treatises. Is it not appaped. I took the cow and calf to the Cattle Show been found to possess all the advantages there derent, sir, that the most that the business of husbandry requires, is to become an object of thought? return home, we aned and commenced rearing her a stable is a point that ought to be attended to. We seem not to require new kinds of crops, so by hand: this was however attended with troumuch as to employ more pains and more intellible for the first week or two, owing to her hadark, but this is by no means true. Window-shut-gence upon the old ones. Do we not often ob ving been allowed to suck. She was fed in the ters are useful, as they may serve occasionally to before mentioned mode, with the exception of darken the stable during the day, that a horse and clergymen, when they turn their attention in the clover tea, having had a sufficiency of milk, may be induced to lie down and get more rest good earnest to agricultural pursuits, turn out at Cut millet hay, blades and tops were given as than he otherwise would. Making the walls of a stone or dove-colour is preferable to having them white-washed. The windows should be sashed, and should be made to draw down from the top,

is needless perhaps to observe, that nothing which

^{*} You should never suffer the calf to continue in either a costive or loose habit, the state of the ments that the art receives? I can think of no bowels being invariably an index of its thriving as well as to be thrown up from below. In the reason for this, only that men of this description condition. Have your calf keft dry, clean, and present improved state of stable management, it

produces an offensive smell, (or horses are very) The sculptor's art exhausts the pomp of wo, delicate in this respect,) should be kept in or near. And storied urns record who rests below. a stable, and that the stable doors and windows When all is done—upon the tomb is seen, should be thrown open while the horses are out. Not what he was—but what he would have been at exercise. The litter, during the ay, should But this poor dog, in life the firmest friend, be removed: in good weather it may be placed The first to welcome—foremost to defend; outside the door, so that the foul vapours and Whose honest heart is still the master's own. moisture may escape. Horses that work hard, Who labours, fights, lives, breathes for him alone, such as post and coach-horses, should always be Unhonoured talls, unnoticed of his worth; well litterel. To finish the subject of stable Denied in Heaven the soul he held on earth; economy, (for we say nothing here of feeding,) While man, vile insect, hopes to be forgiven, some remarks must be made on currying or dress- And claims himself a sole exclusive heaven. ing horses. Friction on the horse's skin is neces. Oh, man! thou feeble tenant of an hour, sary, not only to keep him clean; it serves also Debas'd by slavery, or corrupt by power, to promote the insensible perspiration, and by Who knows thee well, must quit thee with disgust the exercise it occasions, the free circulation of Degraded mass of animated dust. the blood is at the same time promoted: but in Thy love is lust, thy friendship all a cheat, the moulting seasons, particularly in that which Thy smiles hypocrisy, thy words deceit.

_______ From the Annals of Sporting.

EPITAPH ON A NEWFOUNDLAND DOG.

SIR,-I have much pleasure in transmitting to PROPAGATION OF FEATHERED GAME. you, for insertion in your excellant Miscellany, A very erroneous and too general practice is a coach from London to York a the following Epitaph, by Lord Byron, which is pursued by those who attend to the propagation the rate of ten miles an hour. equally remarkable for the beauty and fidelity with which it pourtrays this universal favourite.* It is engraven on a pedestal of white marble, and was situated in a large circular vault, in the garden of Newstead Abbey, Nottinghamshire, a state of maturity, than, as if jealous or fearful of seat of his Lordship's, that was formerly the business and the Church Vours &c. rying-ground of the Church. Yours, &c. PHILO.



On one side of the pedestal is placed the following INSCRIPTION.

Near this spot are deposited the remains of one who possessed beauty without vanity, strength without insolence, courage without ferocity, and are at this moment the two smallest horses that all the virtues of man without his vices. This exist in France, and perhaps in Europe. The praise, which would be unmeaning flattery if inscribed over human ashes, is but a just tribute to the memory of BOATSWAIN, a dog, who was born in Newfoundland, May, 1803, and died at Newstead, Nottinghamshire, October, 1808. When some proud son of man returns to earth, Unknown to glory, but upheld by birth,

happens in spring, the curry-comb should be laid By nature vile, ennobled but by name, aside.

Each kindred brute might bid thee blush for shame. Ye who behold, perchance, this simple urn, Pass on, it honours none you wish to mourn. To mark a friend's remains these stones arise, I never knew but one, and here he lies.

> male, and incessantly continues the combat till the British stage, since the days of King Charles the whole are driven off, and she remains undisputed mistress of the walk—the old cock continuing all the time little more than a passive spectator of his mate's animosity. These remarks are particularly appropriate as regard pheasants, and I have little doubt will apply to the wood and mountain grouse, and also to the partridge.

Scraps from English Papers.

Mr. Godwin is proceeding rapidly with his History of the Commonwealth, which will be comprised in 3 vols.

The Fourth and last Livraison of Napoleon's Historical Memoirs, which has been so long delayed, is to appear in a few days.

Mr. C. C. Western, M. P. has in the press, Practical Remarks on the Management and Improvement of Grass Land, as far as relates to Irrigation, Winter-flooding, and draining.

Observatory of the celebrated Tycho Brahe.

Havre, The price of coffee, ashes, &c. remained the same.

At the riding school of Valenciennes, there

A Russian frigate, fitted out for a two year's voyage, is now on her way to cruize in Behring's Straits for discoveries.

According to Lloyd's list, upwards of four * It is said, his lordship once owed the preser- the port of London, between the 20th and 26th nes, who is upon the point of marrying a young ult. the majority of which were laden with oats. Russian Countess.

The great scarcity of pig iron, and the extraordinary advance in price, is almost without precedent. We are informed, by unquestionable authority, that the advance of this article, within the last twelve months, has been fully 50 per ct.

It appears that a sum exceeding sixty thousand rupees, had been subscribed in Bengal, on account of the fund for encouraging a permanent com-munication by steam vessels, between Great Britain and India.

The Edinburgh Star mentions that an old man, in the village of Branent, having a diseased foot, it was decided by his medical attendants to amputate his leg, and they went the next day to perform the operation, when, to their utter astonishment, they found the leg already amputated and dressed by his beloved helpmate, who vowed she would allow no one to put a knife into her dear Cherry, (the name her husband goes by) except herself: what is still more extraordinary, the man was doing wonderfully well.

A company is projected to apply Mr. Browne's gas engine to the propulsion of wheel carriages. Their first proof of success is to be the driving of a coach from London to York and back again, at

The length of the present water and gas pipes under the pavement in London, is said to exceed 1,200 miles.

There are said to be at this time between 700 and 800 Acts of Parliament in this country applicable to the Criminal Law. The Code Napole-an awards the punishment of death to six cases only; that of England to 200.

Population of Ireland .- Summary from returns of 1821, not yet printed:-In Leinster there are 1,785,763 inhabitants: Munster, 2,005,363; Ulster, 2,001,905; and Connaught, 1,053,918, making in Ireland a total of 6,846,849.

It appears from the report of the Belfast Sunday School Union Society, there are three hundred teachers, and three thousand and fifteen scholars connected with that useful body.

The trial of Fauntleroy for extensive forgeries, had not yet taken place. A consultation of his legal advisers was to be held on the 26th as to Upon digging a well recently in the Isle of Lwen, the course expedient to be adopted on his trial. It was supposed to be the remains of the ancient quence of an apprehension, if his case should be investigated, that some facts might transpire The article of cotton had rather improved in price since the date of our previous advices from thim, there existed a natural unwillingness unnecessarily to develope.

It was reported at Petersburgh, that the Russian army in Bessarabia, (on the frontiers of the exist in France, and perhaps in Europe. They Ottoman dominions) was to receive considerable are only 30 inches high, and are well matched. reinforcement.

> A report has also been in circulation of the death of the King of Naples, which we cannot trace to any authentic source.

Among the strangers now at Dresden, is the

vation of his life to this faithful animal.

Charles the Tenth, king of France and Navarre, into "a place of safety."

alteration.

ly neglected; from the expected arrivals of about 30,000 bales from Egypt.

The French government have not yet made known their final intentions with regard to Spain. Mr. John S. Skinner, The case appears to be a very perplexing one; for, although the occupation of the Peninsula by the French troops has been much prolonged, it pertinent remarks upon our last Cattle Show, and Let us, however, be content, not to look back on has produced none of those effects for which it was intended, but things are on the contrary tend- ferent committees at future meetings, for it has what may now be done. If human legislation, ing more and more strongly towards a complete been often remarked, that too much regard is and publick patronage, can be more wisely applianarchy; and on the other hand, an evacuation paid to high feeding, and the real merits of an ed to any object, than to improving the practices at this time would be certain ruin to the royal animal is frequently overlooked. cause. It seems plain, at least that the occupation will not be continued on the same terms.

Rural Economy.

VALUABLE EXPERIMENTS,

To show the difference between raw corn and corn meal cooked, as feed for hogs.

veral experiments to find the increase by weight of corn, rye, shorts, &c. by boiling and cooking, um, is a "full bred Devon," and although her veral experiments to find the increase by weight with a view to economising hog food. I soon be- mother was imported in 1820 from England withcame convinced, that wonderful effects might be easily produced; and though I then made a regular record of what I did, strange to tell I have never till lately attempted to put my theory into practice. I have had since the first day of December, an actual experiment going on between the cember, an actual experiment going on between the compact of the genuine Devon breed, and a better cow for the dairy is seldom to be found. I am informed and believe, that she gave last summer 24 quarts of rich milk a day, has a calf evects.—Feathers, live, per lb. 32 cts.—Cotton, Louraw corn and meal, made into good thick mushtwo pigs of about one hundred weight each, have been eating seven pounds each of raw corn per horn breed" of cattle, which I have always admitwenty-four hours; and two others of near the red for their superior form, early maturity and same size, have had exactly seven pounds of meal large carcass, but they require luxuriant pastures made into good mush between them. This seven and high feeding-the Devons on the contrary, pounds meal, cooked into the state of good stiff are small animals, very industrious and will do mush, weighs from twenty-eight to thirty-three pounds. I weighed my pigs accurately at beginning, and weighed again two days since, to mark where we are not famous for luxuriant herbage, the progress. The two eating fourteen pounds of or our cow houses in winter extravagantly supcom per day, had increased seventeen pounds in plied with food; I therefore hope to see the breed cooked meal per day, had increased twenty-four practicable. pounds in the same time. Here is a saving of one half the corn. I shall carry them on till early in January, when I shall kill them."

TAX ON DOGS,

FOR THE BENEFIT OF AGRICULTURE, TO THE EDITOR OF THE AMERICAN FARMER. Cacil County, Maryland, Dec. 18, 1824.

Dear Sir, -I observe by my "American Far-" received this morning, that at your last meeting of the Agricultural Society "a committee has been appointed to proceed to Annapolis to request the patronage of the State Legislature. Although I highly approve of the plan, and were duties are more pressing than usual; and such is I a member of the Legislature, I would certainly the all pervading vigilance of the Commander in vote for a handsome annual appropriation for the Chief of the Department, that the most humble

France.—The late King, Louis the 18th, was Society, yet the same thing was attempted last subaltern cannot sleep on his post without being buried on the 25th, with extraordinary pomp, year and failed, and I fear you will have no bet-"caught a napping!" The French papers state, that the hearts of ter success this.—Those who take pleasure in ag-Louis 13th and 14th, hart of the body of Henry riculture would be gratified at your success, yet 4th, and Maria de Medicis were deposited in St. it may not be so easy to persuade the members of the Carrot, Esq. of Sweet-Air, was elected a Denis.

The object of this letter is to Member of the Board of Trustees, in place of recommend to your committee, a plan by which Christopher Carnan, Esq. resigned. The pretended Dauphin lately arrived from the they can realise a large amount of funds for the United States, and on announcing himself, as Society, and will meet with the wishes of all but of premiums, and the one appointed to make ap-Foxhunters; you will readily understand, I mean plications, on certain points, to the Legislature, was taken by the commandant of Havre, and put a tax on dogs—a certain sum on males and triple will meet at the Society's Room, over the Postthat on females; a large amount of funds may be Office, on TUESDAY NEXT, at 4, P. M. The markets at Havre continue without any realised in this way, sheep protected, the State benefitted, and the people gratified. I wish most sincerely they may have recourse to this expedi-At Marseilles the American Cottons were entire- ent, because I am confident they will succeed.

REMARKS ON THE CATTLE SHOW, DEVON CATTLE, &c. &c. Baltimore County, Dec. 19, 1824.

the signature of 'Ignoramus,' has made some been amongst the first appointed at every session.

subject of some breeds exhibited, which I trust legislation, and the welfare of the community. he will excuse me for correcting, having a perfect knowledge of the animals in question. He states that the heifer Fanny, which obtained the first premium, was out of a cow of mixed "short COLLECTED AND ACCURATELY STATED BY THE horn blood," whereas her mother is descended from the Bakewell and Dutch breeds, and has "Some two years ago, while I was confined to bull, it would appear that the committee did not the fire-side by a cold, I amused myself with se-entirely dispersed the December 1. none of the present "short horned blood" in her

out a written hedigree, yet she cost thirty pounds sterling, and is well known and universally ad-

ry year, and never goes dry.

It is far from my desire to disparage the "short well on thin pastures, consequently worthy of much consideration in this district of country, sixteen days. The two eating seven pounds of encouraged and extended in our State as much as

NOSCIMUS.

THE PARMER.

BALTIMORE, FRIDAY, DECEMBER 24, 1824.

Last Meeting of the Board of Trustees of the Maryland Agricultural Society.

We have found it impossible to get time to prepare even a brief sketch of the proceedings. At this season of the year, when Congress and the Legislature are in session, our official post-office

We shall give a satisfactory detail of the proceedings of the Board in our next.

The Committee appointed to prepare a scheme

GOOD NEWS FROM ANNAPOLIS.

To It gives us great pleasure to learn that a committee has been raised in both houses of the Legislature of this State, on the all important subject of AGRICULTURE -And marvel we may, that the State, being essentially agricultural, and the representatives elected almost exclusively by those who depend on that pursuit for the support Sir,-In your last number a correspondent over of their families; that such a committee has not I trust they will have a due weight with the dif- what has been omitted, but forward with hope to and guarding the fruits of agricultural labour, Your correspondent has fallen into error on the then we know not in what consists the wisdom of

() com PRICES OF COUNTRY PRODUCE, EDITOR OF THE AMERICAN FARMER.

Wharf flour, \$4 50 to 4 623-Pork from the wagons, in the market, \$4 to 5-Turkeys, 623 cts. to \$1-Geese, 50 cts.-Beef, best pieces, 8 cts.—Mutton, best pieces, 8 cts.—Live cattle, \$4 50 per hundred—Wheat, red, 85 to 88 cts. ditto white, 90 to 95 cts.—Corn, 32 to 34 cts.— Rye, 37½ cts.—Barley, 50 cts.—Oats, 20 to 22 cts.—Whiskey, including bbl. 26 cts.—Apple Brandy, 25 cts -Clover seed, white, per lb. 37 1 cts.-Red, do. per bushel, \$4-Saplin, do. \$5 75cts .- Feathers, live, per lb. 32 cts .- Cotton, Louisiana, 16 to 18-Georgia upland, 15 to 17-Alabama, 13 to 15-New wool, 30 to 35-Merino, full blooded, 35 to 40—4 do. 30 to 35—1 do. 25 to 28—Common, 20 to 25—25 per cent more when well washed on the sheep, and free from tags-Turpentine, \$2 to 2 25-Coal, pit, foreign, 40 cts. —Virginia pit, 20 to 25 cts,—Susquehanna do. \$6 50 to 7—Lime, bushel, 30 to 33 cts.—Hams, last year's 121 cts.

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Printed every Friday at \$3 per annum, for JOHN S. SKINNER, Editor, by JOSEPH ROBINSON, on the North West corner of Market and Belvidere streets, Ealtimore; where every description of Book and Job Printing evented with neatness and despatch—Orders from a distance for PRINTING or BINNING, with proper directions promptly attended to, addressed to J. Robinson, Baltimore.

Domestic Manufactures. COMMUNICATION ON THE TARIFF.

The following speculation is respectfully addressed to the Farmers of the United States.

" America, by her late tariff, precludes all doubt of a determination to become her own manufacturer, and it is not improbable that this unexpected interference with so important a branch of export may accelerate the progress of her manufactures. Some lapse of time there must however be, 'ere she can become independent of Great Britain in that respect; and when the period shall at last arrive, markets of more than compensating consumption may have been established, through the new channel of Commerce now opening at Alexandria.

Such are the words of a British newspaper.-They prove that Great Britain viewing her own course as correct, that of a real independence of other nations, as far at least as is possible, regards it likely that the career of this country will be similar. She does not enter with the hasty and indigested views of the anti-tariffites; hut, calmly considers the duty of an American, to be similar to those of a British, statesman. She precountry, and calmly provides a resource to supply the loss.

Now the fact is well understood that the great object of Mr. Robinson, the Chancellor of the Exchequer, is to reduce the taxes, in order to relieve the industry of the country. The Edinburg Re-view and the papers tell us, that the merchants in general have determined, during the summer, to prepare for an effort, at the meeting of parliament, to open the tea trade, before the expiring of the East India Company's charter in (about) 1835. This will be a matter of difficulty, unless it is done by way of compromise. The East India Company owes to the amount of 20 or 30 mil hons sterling, partly, I believe, to individuals, partly to the government. The tea trade is necessa ry, I think, to enable the Company to pay the interest of this debt. Hence, suppose the Chancellor of the Exchequer and the President of the Board of Trade, two as intelligent statesmen in affairs of commerce as ever sat in the British Cabinet, were to make this proposal to the East India Company; "If you will give up your monopoly of the tea trade instanter, we will assume the debt and take off all duties on your cottons and sugars, or so much as shall give them a decided advantage in the markets of Britain." The ministers would thus foster the shipping interest and they could pay the interest of the Company's debt at a cheaper rate than the Company could do. Further, they could thus gratify the more powerful anti-slavery party, which is doing every thing to promote the introduction and consumption of articles produced by freemen to replace those produced by slaves.

Of the views of the British Cabinet relative to the Tariff, we are profoundly ignorant. They are yet to be discovered. Hence, my object now is to ask, what, should Great Britain act as I have supposed she may do and looking to Spanish Amethese materials? And must not the whole system "burg, three carriages laden with passengers and of the country undergo a total revolution? Habits must change-ideas must alter-and instead of a

appearance than at present? Agriculture, the no-blest of employments, will prosper, and we shall "fifty hours." We dare to say, capitalists will at last discover that,

"God made the Country-but man made the Town."

Is it not, therefore, the province of every wise man to provide for a course of events, that must sooner or later inevitably lead to this great change.

This is a mere speculation as to the immediate conduct of the British government; but it is believed by the writer to be a speculation that eventually will be realised.

He thus closes the subject, and ardently hopes that in future the words of the admirable Fene -

lon, may apply to the United States:

"The wealth of the Americans (hetans) con-"sist in health, vigour, and courage; domestic, "quiet, and concord; public liberty, plenty of all "that is necessary, and contempt of all that is "superfluous; an habit of industry, an abhor-"rence of idleness, an emulation in virtue, and a "reverence for the Most High."

AMPHICON.

S. Carolina, 7th Nov. 1824.

P. S. To those not well acquainted with the elastic power of British Finance and British Power, there may appear some discrepancies in the pares accordingly; she assumes that she will foregoing ideas. A year or two will prove that at 10s. 6d. And, to throw farther light on the eventually lose the consuming commerce of this every apparent diminution of means in that counsubject I would observe, that in June a half cargo of industry.

TO THE EDITOR OF THE AMERICAN FARMER.

South-Carolina, 8th Nov. 1824.

subject of the folly of the good people of this country looking so much to foreign commerce for their support, and becoming hewers of wood and drawers of water to the Nations of Europe.

Since then we have learned that the merchants pects of Egypt, speaks volumes. of the United States have sent 150,000 bushels of grain to rot at Madeira-that in one year 78,000 barrels of flour have passed through Gibraltar, principally to S. America-and that, two months voured to prove, in a speech, that the rate of exago, there were 35,000 then in that port, and a change was a mere trifle, and by some hocus pocus, perfect drug. To cap the climax, the Baltimorians are boasting of the increase of their export. nothing. I speak from hearsay; for, in political Will they state her profits? When will mankind economy, like Mr. Fox, I cannot at all under-learn lessons from experience? Above you have stand it. But there has been so much nonsense a specimen of the actual state of the provision on the occasion of exchange, and so open a war trade, and worse it must get; for independent of declared against common sense, by taking partial the bounteous harvests of Great Britain, France, views of the subject, that I can believe any thing &c. &c., the merchants of the Black Sea can so that is said of the anti-tarifites. But, if Mr. W. flood the markets of Europe with grain, as to King, the ingenious author of the papers in the make adventures from the United States utterly Portsmouth Journal, in Maine, and Mr. Hayne, in hopeless and perfectly ruinous, if the continually S. Carolina, would just offer to pay £1,000 in Lonincreasing products of those countries did not add don for less than 10, 11, or 12 per cent. added to another to the many proofs already existing of it, or £1100, £1110, or £1120, I have no doubt the fact. And, if the accounts that a speculation they will find many merchants willing to contract indulged some years since by the ingenious Oliver with and pay them such a profit, as to render the Evans,* of there being a loco-motive engine placed on a rail-way between Philadelphia and New-York, to convey passengers, &c. is, as is said in the English papers, and believed by the Revue Enthe tonnage of Great Britain, France, Spain, the cyclopedique, of Paris, to be true, the quantity of Hanseatic towns, Prussia, Holland, Sweden, Denground now used for meadows in that country to mark and Russia, is all affoat, and free to go sustain horses, conveyed into fields for the support whither it lists. These gentlemen appear to rica, the Mediterranean, &c. as her future cus- of man, will still add to the accumulation of corn. tomers, obtain favourable treaties, will become of "To appreciate the account," says that paper, raltar communication it is asserted, that for the the great agricultural interests of the United "it is only necessary to remark, that one steam-States, the planters of corn, cotton, and tobacco? "engine will be able to propel along the rail way, Must they not look for a home consumption of "in less than thirty hours, from London to Edin-

* This was published in a New-York paper, and wretched dependence on foreign countries for I hope some of his friends will re publish it. I supplies and commerce, will not the whole face think it will be found in the Commercial Advertiser.

of the country bear an infinitely more interesting, "baggage, which at present requires three hunbe found in England " venturous enough to furnish "the funds, and engineers skilful enough to over-"come the obstacles which seem to render it im-"practicable." And as a commentary on this, I would refer you to an article in the N. York Observer, of - October, in which it is asserted, that four or five applications for rail-ways, with locomotive engines, will be made to parliament at its next session. The Editor of the Observer sagaciously observes, that such a system adopted by Pennsylvania and Maryland, may render much less advantageous to the city of New-York, the results of the Erie Canal. The observation is elicited by a remark of the English editor, that Mr. Rush is to become the patron of the system on his return to the United States. So much for grain produced in the middle States. Let us now look to the prospect of rice.
In various English Prices Current recently

published, it is evident that such is the improvement in the quality of India rice, as to place it on a level in value with the best Carolina. Twenty years since, with wheat at 20s. the bushel, and Carolina Rice at full 24s to 28s (I quote from memory as to Carolina Rice,) I have seen it sell subject I would observe, that in June a half cargo try, will be at once and at the same time an actu-al augmentation of wealth and increased supply from Sierra Leone to London. This was to be cleaned by Lucas' Engine. With all this in prospect, would you believe it that the Agricultural Society of South-Carolina, could not be induced to listen to a poor cracker's (a backwoodsman) suggestion for a premium to any one who would Sir, -Some time since I addressed you on the make it an article in the support of horses, Nothey prefer haying 50 and 60 cents for corn from North-Carolina, and improved by a sea voyage.

As to Cottons, an article from a London paper, on "the vicissitudes of commerce," and the pros-

As to Tobacco, ditto, ditto.

But it is "delusion worse deluded-a bugbearall" I understand our Senator Hayne endeatried to make the people believe it was next to timber trade and rice plantation objects of very trifling consideration to them.

The East India merchants seem to forget that think the war still in progress; for in the Gibof Salem, from Sumatra, only nine and one quarter cents, or just one and a quarter cents more than the duty in the United States were offered. This commerce may "take care of itself:" but I should rather apprehend it will not take much

" care" of those who are engaged in it. Yours, &c. AMPHICON.

AGRICULTURE.

From the Easton Gazette.

EASTON CATTLE SHOW.

The following reports of the Committees at the late Cattle Show and Fair held at Easton, on the 18th, 19th, and 20th ult. have been polite. ly handed us for publication by Mr. S. T. Kennard, Secretary to the Board of Trustees.

The following are the reports of the respective Committees of Judges appointed to award premi ums, which will be read with much interest by all who are friends and patrons of Agricultural

improvement.

The Show was a very good one and pretty well attended—the lateness of the season and the coldness of the weather, no doubt, caused many to absent themselves who would otherwise have at tended. The whole scene convinces us that the institution gains ground in the public estimation, and we do not hesitate to believe that we shall, at another exhibition, have a considerable in crease of members. A farmer's fraternity is a good thing-it is the strongest interest of the country, the most honorable employment for man, and can yield none but good and salutary effects upon all classes and denominations of citizens. How beautiful, how rational is the spectacle, to see all the farmers of our country, from the poorest to the richest, all entering into the most active competition, with kindest and friendliest greatest share of wealth and comfort for himself and family, and render most service to the com-munity at large? This is "the end and aim" of the Agricultural Society by their Cattle Shows.

It was remarked by strangers, that the sample of Swine exhibited was as fine as had ever been do more, than award that of the first or highest witnessed at any exhibition; but the display of Household fabrics was by all acknowledged to have surpassed any thing that any person present had ever seen-all the specimens combined excellence of texture, taste, and beauty of appearance. The ardour already displayed upon this subject, the many premiums offered, and their to induce them to extend all the patronage they general diffusion will excite emulation, and we may anticipate at our next exhibition still great- rits of those who would be thus laudably engaged.

mens.

persons would join the Society and take a little grade. They are very sensible that the premitrouble to send forward their stock of different kinds, it would add greatly to the scene, and they have been unable to discern in this compemake the whole more interesting-we know there tition such claims to the patronage of the society, is a great deal of beautiful and very fine stock in the hands of our farmers that is not brought forward, and would do credit to the owners of them by the regulations of the Society, which neverif they were produced—such persons do them-selves injustice, as well as retard the prosperity of our institution, by not sending out their stock-besides, the reputation of the Eastern Shore of Maryland, stands at stake in this business, and every farmer ought to contribute his aid to show the advantages and improvements of our country-it is the aggregate character of the stock of a country that entitles it to reputation, and not the production of three or four superior animals.

We hope our farmers will feel this subject as deeply interesting to them, and that a correspondent excitement and exertion will follow.

No. 1.-COMMITTEE ON CROPS.

The Committee to whom was referred the decision of Crops, beg leave to report, that from the accompanying papers they adjudge as follows,

To Robert Banning, Esq. of Talbot county, tion. This circumstance was not known to the the premium proposed by the Agricultural Soci-

of land, viz: 240 bushels-and

To Robert Sinclair, Esq. of the city of Baltimore, for the best crop of Parsnips, on the 4 of an acre of land, the premium offered by the said out of his sorrel mare, the first premium of \$15. Society—he made, as per certificate, from { acre

147½ bushels of Parsnips.

We take the liberty to mention a crop of Mangle Wurtzel, raised by Wm. H. Tilghman, Esq. of Talbot county, (as certified) which does not quite arrive to the amount probably expected, in consequence of irregularity in standing; but which, from the late season, we deem as worthy of notice, and therefore present to your considerthe crop was at the rate of 2080 bushels per acre.

We were pleased to receive a specimen of Mangle Wurtzel, raised by Dr. Thomas Wilson, of Kent county, of which one weighed 31 and the brown colt seven months old.

other 30 pounds.

Richard Trippe, Wm. G. Tilghman, II m. Hambleton.

No. 2 .- ON HORSES.

The committee on Horses being expected by the rules and regulations of the society for their government to preface their award, by some introductory remarks, as to the "particular objects exhibited or subject submitted to their consideration," feel it their duty to state, that in disposing of the first and perhaps most interesting subject feelings, to see who can mest honorably gain the presented to them, they have been unable to indulge a latitude commensurate with the liberal

The merits of the competition for the first branch of premiums has, they regret to say, been such as not (in their judgment) to permit them to um of ten dollars. grade, which has been assigned, with great justice, to the grey Horse Canton, belonging to Col. Thomas Wright, of Queen Ann's county. A sincere desire on their part to encourage and promote the raising and improvement of this most valuable description of stock, could not fail were at liberty to confer on the exertions and meer improvement and increased numbers of speciBut such they think, has been the nature, and
character of the competition on this branch Many samples of sheep were very fine—there of premiums, that they have felt themselves conwas many good Cattle of different sorts—if more strained to withhold those of the second and third also aware of the general discretion allowed them theless has been justly and properly guarded by a "just regard to the interests, the welfare and objects of the institution."

There is but one circumstance only which the the second branch of premiums, and which they sincerely regret it was not in their power to account; certain Fillies belonging to Judge Wright on the field at the time appointed for exhibitionbut owing to some cause or other, most probably to the irregularity and confusion proceeding from the crowd of spectators constantly pressing on every hand upon the committee-the servants or persons charged with the care of these creatures tion. This circumstance was not known to the we have ever seen.

ety, for the best crop of Potatoes from one acre when the award was made out and considered conclusive.

The committee avail themselves of the discretion given to them, and are of opinion that no second or third premium ought to be awarded.

To Nicholas Goldsborough, Esq. for his grey Mare by old Canton, the first premium of \$10.

To Nicholas Goldsborough, Esq. for his bay

Mare, by old Canton, the second premium of S8.
To Edward S. Winder, for his bay Mare Fenella, by Gov. Wright's Silver Heels, out of Meation the amount of the certificate before us, that ricco, a thorough bred mare, raised by Col. Lloyd, the third premium of \$5.

The Volunteer premium of \$20, for the best Colt sired by Emperor, was awarded to Mr. Cox's

The premium of \$10, for the best Colt, sired last year by Young Tom, was awarded to Mr. Wm. Hambleton's bay colt.

The committee would remark, that for the last premium offered, there were but two colts exhited, and having no discretion, they have awarded it to Mr. William Hambleton.

John Edmondson, John Hare Powel, D. Jenifer, E. S. Winder, J. C. Wilson, Jr. L. M. Robertson.

No. 3.—ON ASSES AND MULES.

The committee appointed to judge of Asses and Mules, have awarded to Tobias Burke, Esq. tor his jack George, 4 years old, the first premi-

To Nicholas Goldsborough, Esq. for his largest mare mule, 5 years old, the first premium of \$10:

To Nicholas Goldsborough, Esq. for his next largest mare mule, 8 years old, the second premi-

um of \$5.

The committee regret that the exhibition of mules for premiums was so limited, five only being presented to their notice; three belonging to Nicholas Goldsborough, Esq. and two to James Chamberlaine, Esq. some of them were mules of fine size and action, and all of them gentle and well broke to harness; the largest mare mule of Mr. Goldsborough, five years old, we think entitled to the first premium, and his other mare mule, eight years old, though not so large as his ums thus withheld have been contended for, but horse mule, but better formed and proportioned, we think entitled to the second premium-Mr. Chamberlaine's were mules of considerable meas placed them at their disposal. They are rit, being well formed, active and sprightly, but were under size, and lacked the bone and powers necessary to ensure successful competition .- The committee again repeat, that they extremely regret, that so few of these valuable animals were presented on this occasion to their notice, as they are well assured that it is only necessary that committee think proper to state in reference to their value should be known to bring them into general use. Their hardy nature, patient endurance of labour, and capacity to subsist on a small quantity of coarse food, will always render them and Edward N. Hambleton, Esq. had been regularly entered for premium, and were, it is believed, cessful agricultural pursuits.—Three jacks only a valuable auxiliary to man in prosecuting sucwere presented for premium, to wit:—Messrs, W. H. D. C. Wright's, Tobias Burke's, and the late Thomas Martin's. The committee are of opinion that Tobias C. Burke's jack George, a descendant of the celebrated jack imported by Gen. Washington, is entitled to the premium-he is might have been hurried away and placed beyond four years old, of fine size and well proportioned, the reach of a call, when required to appear, and his breast large, his quarters fine, and his limbs consequently did not present them to their inspec-for size and bone equal to any thing of the kind Edwd. N. Hambleton, John Tilghman.

No. IV.-CATTLE.

The committee have awarded to Thomas Hayward, Esq. of Talbot County, for his bull Hampton, by Bergami, the first premium of \$15.

his bull calf, by Champion, under 2 and over 1 stitution, and of the laudable ambition and enter-old, year old, the third premium of \$10.

They also award to Dr. Harris the volunteer

the second premium of \$5.

premium of \$15, for his black cow.
To S. T. Kennard, of Easton, the second premium of \$10, for his red cow.

third premium of \$5, for his red cow.

For the best heifer under 2 years old, to Gov. For the second best heifer, to Henry Hollyday, Esq. of Talbot Co. for his heifer by Champion.

IIm. Potter, W. Hayward, Jr. James L. Chamberlaine.

tee on cattle, which goes no further than a spemerely for exhibition, which were beautiful ani-department of the exhibition attracted. mals and attracted great attention. Mr. Ham-mon's buffaloe cow was much admired—and du ring the show, there was a bull calf and heifer of for the best boar, for figure, size and early maturity, Mr Wm. Carmichael's of Queen Ann's, of what have been always known here as the 'Island breed um of \$6 for the second best boar, for compacthad fine growth and form-the heifer in colour, to fat. figure and points generally, would have vied with the best Devon Reds of her age. Indeed there is of \$4 for the third best boar, for size, proportion it is fully entitled to the premium offered for the great reason to congratulate the farmers upon and easy keep. their recent exertions to get under way in the improvement of their breed of cattle.]

Samuel W. Thomas, of Queen Ann's Co. the first growth, symmetry, and prolific qualities.

premium of \$15, for his yoke of oxen, brindle and pied, uncommonly large & well matched, as to size.

To Robert Wright, of Queen Ann's Co. the early fecundity, and capacity for nursing.

second premium of \$10, for his young red steers, beautiful animals and stout for their age.

To Thomas Coward, of Talbot Co. the first premium of \$10, for his large corn fed steer-no competition, but considered worthy of a premium. For the best grass fed beef no premium.

It is with regret that the committee on oxen have to say, that nothing as a grass fed beef was sidered any ways extraordinary, and a majority for premium, take leav of the members present could not be had in favour the following decisions. of any one of the animals presented, of course no premium could be awarded.

On the contrary the oxen presented for their years old. inspection were unanimously considered as fine James Macoomb of Caroline, was well worthy of

those for which they have awarded premiums.

Mm. Harrison, of Jas. Henry Spencer, Robert Morriss, Wm. M. Hardcastle.

No. VI.-SWINE.

miums on Swine, encountered a task of great dif-jold. The extensive range of apartments, and To Nicholas Hammond, Esq. for his Buffaloe the highly gratifying manner in which they were the two best wethers under two years old. bull, of 30 months old, the second premium of \$10. literally filled, furnished abundant evidence of the To Gov. Stevens the premium of three of the two best wethers under two years old. To Dr. E. Harris of Queen Ann's County for salutary and widely diffused influence of our in- for the two second best wethers under two years

premium of \$25, offered by Col. Lloyd, for the claims, of even the least deserving, to distinction are of mixed Bakewell blood, with pretty good best bull calf by Champion.

To E. S. Winder, of Talbot Co. for his bull a matter rather of chance than of judgment: the fat. There were many other parcels of sheep calf, hy Champion, under 2 and over 1 year old, committee, however, deem it proper to remark offered, and the committee cannot omit to distinthat their chief difficulty lay in deciding on the To Andrew Skinner, of Talbot Co. the first merits of the females, and this difficulty was inin which they were described by their respective To the Rev. Thomas Bayne, of Talbot Co. the the committee cannot be held responsible—it is peculiar properties suited to a mixture with the Wright, of Queen Ann's Co. for his fine red heifer. sists; but for a breeder there are certain cardinal Colonel's flock) and Bakewell blood, has been reand which are necessary to be known, in forming as well as scientific breeders of stock in Penaa correct judgment; among which we may desig-sylvania. nate a capacity for nursing and early maturity and fecundity—with these essentials, defects may [In addition to the above report of the committee on cattle, which goes no further than a spe-want of them. To take a particular notice of cific awarding of premiums; we must mention the various beauties and exellencies of such as that the show of cattle was superior to the last are not selected for premium, would afford inexhibition of those animals; and it is gratilying dividual pleasure to the committee, but would to find, that the fine breed of Mr. Lloyd's Chamswell this report beyond the limits prescribed to upon the merits of the different implements of pion, and Mr. Skinner's Bergami are beginning to them, and they conclude with a conviction that husbandry exhibited at the Easton Cattle Show, be widely dispersed. Mr. Lloyd had several young any oversight on their part will be amply com-bulls as well as bull calves, of his own raising, pensated by the universal admiration which this assigned to them with all the skill and judgment

The committee have awarded to Wm. H. D. C

have been always known here as the 'Island breed um of \$6 for the second best boar, for compact-inachine was exhibited—yet the committee think of Cattle,' that received much attention. The calf ness of form, smallness of bone, and propensity from the best judgment they could form of it by

To Casson Bowdle, of Talbot Co. the premium

Robert Brown, Joseph Martin, Samuel Chamberlaine, R. A. Skinner, Nicholas Martin.

No. VII.—SHEEP.

The committee on sheep having discharged the presented for their inspection that could be con-duty of examination of the different parcels offered lishments. for premium, take leave to report to the Society,

To Gov. Stevens, the Society's premium of five animals, amongst which a yoke belonging to Mr. dollars for the second best ram over two years old.

best wethers over two years old.

To Gov. Stevens the premium of three dollars The committee appointed to award the pre- for the two second best wethers over two years

To Gov. Stevens the premium of five dollars for

To Gov. Stevens the premium of three dollars

The committee will remark, that all the sheep The number of the competitors, and the strong for which these premiums have been awarded, guish a parcel of fine wethers offered by Nicholas Hammond, Esq. of mixed Merino blood, having creased by the imperfect and unsatisfactory terms good forms and fleeces; and a parcel exhibited by in which they were described by their respective Col. Daniel Martin, which from extraordinary proprietors—for errors arising from this cause, size, heaviness of fleece, and good form, indicate not necessary here to point out the properties in which the perfection of this useful domestic con- Down (much in their character resembling the points which cannot be ascertained by intuition, commended highly by one of the most practical

> Thomas Emory, Atlen Thomas, Wm. H. Tilghman.

No. VIII. IMPLEMENTS OF HUSBANDRY.

they possess, take leave to report, that they were gratified to find upon the field so many imple-Wright, of Queen Ann's Co. the premium of \$8, ments of good construction and apparently well for the best boar, for figure, size and early maturity. calculated to answer the purposes for which they To Howel Bowers, of Talbot Co. the premi- are respectively designed .- But one threshing inspection and the certificates of most respectable agricultural characters on the Western Shore, best machine of that kind-it is the one invented To Thomas Hemsley, of Queen Ann's Co. by Mr. William Kirk, of Baltimore County, and the premium of \$8 for the best sow, for large exhibited by Mr. John Morsell of Prince Georges' the premium of so for the best sow, for early land, and authorises the committee to say the premium of \$6 for the second best sow, for early land, and authorises the committee to say the price fo the same will be \$100 for it complete.

A straw cutter invented by Mr. Michael H. Bonville, of Kent County, Delaware, was shewn, price fifty dollars, which the committee think a substantial and simple machine, but inferior to

Mr. Eastman's, heretofore exhibited on our field.
Mr. John W. Cragg exhibited a wheat fan, price eighty dollars, of apparently excellent construction and good workmanship—but the committee think its various machinery makes it too complicated for the use of the generality of farm. ers-it is well calculated for large milling estab.

A wheat fan of different construction from the hrst mentioned was offered by Mr. Robert Sin-That the Society's premium of eight dollars be clair of Baltimore, price twenty-five dollars, awarded to Dr. Denny for the best ram over two which the committee think a good one, and well which the committee think a good one, and well calculated for the use of most farmers.

There was a good shew of ploughs from the different establishments of Messrs. Palmer & To Edward S. Winder, Esq. the premium of Sinclair of Baltimore, none of which the comattention, though not equal in their opinion to eight dollars for the best ewe over one year old. mittee think it necessary to notice particularly, those for which they have awarded premiums.

To Charles Nabb, Esq. the premium of five except the self sharpening plough, which we dollars for the second best ewe over one year old. think entitled to the premium for the best imple-The committee on sheep have awarded to Gov. ment that may be considered new, and as deser-Stevens the premium of five dollars for the two ving of the notice of the society and worthy of patronage, and Mr. Ramsay's plough with four

mould boards which the committee think a useful most adviseable to be taken to prevent the deportnerally as the common wasp. The wings of the

would notice as an excellent one of its kind, and is respectively submitted.

EDWD. TILGHMAN, 3d Chairman. (To be concluded in our next.)

Horticulture.

FOR THE AMERICAN FARMER.

ON THE PEACH TREE INSECT.

Sir.-A North-Carolina Farmer has been so obliging as to furnish us (See American Farmer, vol. 5, hage 118,) with his own observations; and also with some notice of the remarks of several other distinguished gentlemen, on the decay of the Peach; which has now become so universal, as to merit general attention. The immediate cause of this calamity is justly attributed by every person, who has written on the subject, to a worm; that perforates the roots of the Peach trees, on which it feeds; leaving our beautiful orchards little better than a barren waste of dead

and decaying limbs.

The method adopted by the late Dr. Tilton, of Delaware, to preserve his trees was, it appears, to draw the dirt from the tree in the fall, then to pour boiling water on the roots to kill the worms; and in the spring following to return the soil again to the tree in the form of a hill. Mr. William Coxe, of Burlington, New-Jersey, searched the roots of his trees summer and fall; and finally by opening the ground he left a kind of basin about the trees, to hold water, the freezing of which during the ensuing winter he supposed would destroy any of the worms that might elude his previous search. John H Cocke, Esq. of Virginia, used tobacco, bound round the body of the tree, just at the surface of the earth, encircling the part where the fly that produces these worms detobacco it was supposed prevented the approach of the fly. But notwithstanding all these various lowing letter to him:methods that have been resorted to to prevent it, we still find that our orchards are decaying; and Dr. Thomas Saythe peach is at this time unknown on many farms this delicious fruit.

Being anxious to obtain all the information I could examine for myself and enquire more minutely Philadelphia. into the Natural History of these destructive in sects: hoping that if I could develope their ungreater certainty to secure my trees from their up their substance into small bits like saw dust; but I could not discover any fly that I could susnow got about a dozen more, that had come nearly and others nearly an inch and quarter long-they were all of a whitish colour inclining to brown-

labor saving implement to put in fallow wheat site of the eggs from which they were produced. female flies are of a deep shining indigo colour; where the ground is clear.

A wheat cradle was exhibited by Mr. John Denny of Queen Anns' which the committee my awkwardness and ignorance of their habits it fly. The females are further beautified by a scarwas not until the summer before last that I found let coloured ring round their bodies. The speciworthy the attention of all farmers-all of which by chance, at an early hour in the morning, a very mens herewith sent were taken out of the earth beautiful fly near to the roots of one of my trees, yesterday in their pupa or chrysalis state, at the just in the act of emerging from its shell; and root of a decaying peach tree, and kept under a before its wings were fully expanded, I placed a tumbler in my office until the flies have just come glass tumbler over it: and thus to my great satis-out. faction I obtained for the first time a fair view of I send also the covering and the shell out of this formidable enemy of our orchards.

> no difficulty whatever in obtaining as many of concerning this destructive insect, them as I wanted; and I took some of them with. Believe me to be. me, while on a visit to New-York, to shew them to Dr. Mitchell, with a view to obtain from him such information concerning them as he might possess. But these shy insects had hitherto eluded his researches, and we could not find any description of them in his books. On my taking leave of this great Naturalist he gave me the following Dr. James Smith-

" New-York, July 13th, 1824.

Mr. Thomas Say-

now with me and we are examining together, the any Zoological information in my power, and beg larva chrysalis and imago of the insect that destroys our peach trees. I told him for his better satisfaction to submit the specimens to you, as to the Journal of the Academy of Natural Scienour greatest proficient in entomology, for a more correct and scientific opinion; and for that purpose I write him this note of introduction.

bellish it, may soon be resumed with perfect suc-

Truly, and with high esteem and regard, Yours, SAMUEL L. MITCHELL."

home without attaining the object of my call on erto done. Mr. Worth's plan of destroying the posite their eggs. The deleterious quality of the Dr. Say, or injoying the pleasure of a personal in-

" Baltimore, 22d July, 1824.

Dear Sir,—I enclose a note from Dr. Mitchell that formerly yielded the greatest abundance of which I hoped to have had the pleasure to deliver in person, when on my way home from New-York, a few days since; but you were not in when I on this subject, I undertook a few years since to called, and I had but an hour or two to spend in

known habits more fully, I would be able with to learn from you the proper name and character it a place in your valuable paper. of this insect; and I hope if we can make this ravages. I searched and readily found the worms little enemy more generally known to our fellowthemselves, in different stages of their growth, citizens, we will enable them to preserve a tree, all perforating the roots of the trees and cutting than which none can add more to their health and

enjoyments.

So far as I have ascertained the history of this An account of the Insect so destructive to the sect it is this:—it is found in the larva or worm Peach tree. By James Worth. Read Jan. 7, pect as being the parent of these depredators.— insect it is this:—it is found in the larva or worm On the 22d Nov. 1821, I took up a tree of about state, at all seasons, living and depredating upon three years growth; out of the roots of which, the roots of the peach trees, which it kills in a nished with strong teeth for cutting and boring its following scientific description of them, viz: to their full growth-some of them being an inch way into the trees. When the larva attains its full growth it leaves the tree and descending into

which one of the flies came; and will be much During this last summer, having become more ohliged to you for any information, in addition to familiar with the habits of these flies, I have found its proper scientific name, that you can give me

Believe me to be,

With great respect,

Your obedient and humble servant, JAMES SMITH.

To this letter Dr. Say politely returned me the following answer:— "Philadelphia, July 26th, 1824.

Dear Sir,-I regret the circumstance of my being absent at the time you did me the favour to call on your way from New-York. But as it is I Dear Sir, -Dr. James Smith, of Baltimore, is shall feel much gratified to communicate to you you to command me freely in that way. On the present occasion I can do no more than refer you ces, vol. 3, page 216, for a paper by Mr. James Worth, on the Ogesia exitiosa, the peach tree in-sect. The specimens you sent me, and for which I hope the history of this great class of Zoology I thank you, are certainly of the same species as may soon receive its due proportion of attention, Mr. Worth's insect. I propose to figure it in the and that your splendid attempt to enlarge and emsecond half volume of my American Entomology, and shall, therefore, further thank you for any additional information, resulting from your own observations, relative to its manners and habits, or to those of any other injurious insect. It seems to me to be highly necessary to devote more at-But I was again disappointed and had to return tention to destructive insects than has been hithpeach insect, may probably be the best; but that of plastering common bricklayers mortar about, or near to the root of the tree, as recommended in one of the late numbers of the American Farmer, seems to promise well to be a somewhat lasting protection. * * * * * * * *

I am, very respectfully, Your obedient servant, THOMAS SAY."

On reference to the Journal of the Academy of Natural Sciences of Philadelphia, I have found With this you will receive specimens of the in- the following communication, which I have copisect to which the Doctor alludes. I am anxious ed, and beg you will have the goodness to give

I am, with great respect,
Your friend and humble servant, JAMES SMITH.

Baltimore, 27th Oct. 1824.

In July last, I furnished to Thomas Say the during the summer previous, I had taken a num- few years. The worm is of a dull white colour, male and female of the insect so destructive to ber of worms, about half an inch in length; and I about an inch in length, having a yellow head fur- the peach tree, and he has favoured me with the about an inch in length, having a yellow head fur- the peach tree, and he has favoured me with the

ÆGERIA, Fabricius.
"Æ. exitiosa. Male. Body steel blue: antennæ the earth, forms a covering for itself out of the saw hairy on the inner side, black with a tinge of blue: their heads dark brown and furnished in front dust it makes and the gum and mucilage which halhi beneath, and basal band of the head above with a pair of strong nippers, with which they exudes with with it from the wounded roots of and beneath, pale yellow: eyes black brown: readily cut or bored their way into the roots of the tree. In this covering the worm lays secure thorax with two pale yellow longitudinal lines the trees. But in as much as I had not been able in its pupa state, and until it is ready to cast its and a transverse one behind interrupted above, a to detect the parent fly I was still obliged to reskin or shell; when it pushes out to the surface of spot of the same colour beneath the origin of the main, as uncertain as at first, what plan was the the ground and emerges a perfect fly, as large ge-wings: wings hyaline, nervures and margin steel blue, more dilated on the costal margin and anas- matter that oozes from the tree. It appears in fected; the ground had not been ploughed tor tomosing band of the superior wings: feet, coxx, the winged state from the tenth of July to the between three years and had become quite covered with two bands on the tibia including the spines, inci- gimning of August, but more generally the latter grass. In the spring of the current year, I had it sures of the posterior tarsi and anterior tarsi behind, pale yellow: abdomen with two very narrow pale yellow bands, of which one is near the and found twenty follicles and about thirty of the base and the other on the middle: tail fringed, larva; four of the follicles were empty, the inthe fringe margined with white each side.

"Length to the tip of the tail more than three-

fourths of an inch.

"Length to the tip of the wings one-tenth of pleted their destructive career.

an inch shorter.

opaque margin, and longitudinal line, the latter

"Lenth seven-tenths of an inch.

each of the segments excepting the three terminal ones, which have a single row only.

"The FOLLICLE is brown oblong-oval, and is composed of small pieces of bark and earth,

we were not aware that in this genus the males with earth, during the summer, and laying the of ragwort, the operation of which is perhaps and females in several instances, differ exceeding roots bare in winter, I think a very injurious promoted by the cold and exposed situation in by from each other. In the present instance this practice and often proves fatal to the tree; it is which the animals are kept. In vol. iii. p. 83, a difference is so great, as to render it difficult to about as natural as that a man should be clothed disease is described, the symptoms of which nearly this species, I therefore describe it as new."

In a communication which I sometime ago made that gave new vigour to the tree. to the Agricultural Society of Bucks County, I tumbler above mentioned.

respecting the propagation of some insects, and do no damage by being continued, provided it was disease the jaw sometimes becomes locked. It the error prevalent in the present case, that the not tied so close as to cramp the growth of the has been clearly proved, by opening horses that insect while in the winged state, punctures the tree. insect while in the winged state, punctures the tree, tree and lodges the egg within the bark. The pupa state commences about the first of July, but of the insect, and a principal one is, the not stir-

part of July.

On the tenth of July last, I examined my trees, sect having passed into the winged state; the re-maining sixteen contained the pupa; the larva difficulty in keeping it in that state. were near the surface of the ground, having com-

Many remedies have been prescribed for the "FEMALE. Body very dark steel blue with a disease to which that very valuable fruit tree, tinge of purple: fialfi beneath black; thorax the peach, is subjected, by the depredation of the immaculate: inferior wings hyaline, with an insect here treated of; but those remedies have been prescribed without a proper examination of and the costal margin are dilated: tergum with the case. I will mention a few of them. Hot head Brain, Inflamed, the former under that of the fifth segment bright fulvous. "The PUPA has too semilacize of spines upon the tree; and soft soap and lime-wash to the having occurred so frequently and proved so fatal, trunk, without stating the time of application. before the moors were enclosed, differs from the Now, I am sure that neither of these can have disorder which in the first volume of the Veteriany effect in destroying the insect, unless applied nary Medicine has been named Stomach Staggers, composed of small pieces of bark and earth, when it is on the outside of the tree, and coming mal died, which was, he says, sometimes two closely connected together by the web of the aniin immediate contact therewith; nevertheless, mal died, which was, he says, sometimes two any thing that nourishes the tree, may enable it months. The disorder, therefore, which he dewhen it is on the outside of the tree, and coming in the length of time it continued before the animal.

"The very great disparity of markings between the sexes of this destructive species, would lead us to hesitate in admitting their identity, if filling with ashes, sand, or other matter, or hilling ed by the narcotic or other poisonous qualities construct a specific character which shall distin- in warm weather, and go naked in cold; and resemble those of stomach staggers, which raged guish them from all others of the genus. After where any good has been derived by such prac- with great violence in Glamorganshire. "In one a careful examination of Entomological works, I tice, it has not been owing to the extra covering year, have not been able to find any notice whatever of in summer, or the exposure of the roots in win- me, "a neighbour of ours lost more than a hundred

described the general appearance of the insect in of the insect which I have found, is to examine and the distinction you point out between this and the winged state, and made some mention of the the trees early in the month of July; take a brain-staggers is correct; but, beside the sympegg; but the only opportunity which I have had bricklayer's trowel and opening the ground around toms you mention, the animal is subjected to a of examining the egg, was in a glass tumbler, the trunk, the lodgment of the insect will at once general convulsive affection, frequently attempts where the insect was confined; and in that case, be discovered, by the appearance of gum, and can to stale, discharging a little urine at a time, by the deposite might have been prematurely made. readily be destroyed; one person can thus example to stale, discharging a little urine at a time, by the deposite might have been prematurely made. The eggs thus observed were oblong oval, just mine more than one hundred trees in less than horse's jaw is locked some time previous to his discernible by the naked eye and of a dull yellow half a day, and very few, if any, of the insects death." Symptoms of stomach or symptomatic colour, and were attached to the side of the tumbler, with a glutinous substance. I have not yet to destroy them, I would advise, that from the it in the manger; appears drowsy, reluses his been so fortunate as to ascertain satisfactorily, on first to the middle of August, some swingling food; the tongue and mouth are tinged of a yel-what part of the tree the deposite is made. I tow, a piece of hairy hide, (the hair inside, but lowish colour; the membrane under the eye-lid have never seen the female at rest, except in one instance on the leaf, and it may be possible, that six or more inches in width, be tied close around there is the place of deposite; but I am inclined the trunk of the tree, the under edge to be a little to believe, that it is made somewhere on the trunk, the covered with earth, so as to prevent any pas-chest, the fore legs appear suddenly to give way and attached to it in the same manner as in the sage beneath; about the middle of September re at times, as if the horse would fall, but this selmbler above mentioned.

In dom happens; and he rarely lies down, unless the larva is white with a reddish brown head, whole trunk of the tree a covering of soft soap or disease is going off, or death is approaching. but it is so generally known, that it is unnecessary lime-wash, well brushed on, that no spot from the The pulse is never affected in the early stage of to describe it particularly. It commences its ope- head to the root may remain untouched. Perrations the last of September and beginning of haps a decoction of tobacco or some other wash October, and appears to enter the tree a little be- might do better; even hot water would be effeclow the surface of the ground where the bark is tual where the tree was sufficiently hardy to bear tender: it cuts through the bark and passes downwards into the root, then turns its course upwards would answer the purpose without the bandage, and again reaches the surface by the beginning of (and I am now trying the experiment) but where July following. It is, however, some times diffi-the bandage is dispensed with, the wash ought, I July following. It is, however, some times diffithe bandage is dispensed with, the wash ought, I retention of urine take place, probably from a cult to discover the precise place where the worm think, to be applied about the first of September, paralytic state of the bladder. I have sometimes enters, as it is then so small, that the aperture is or I should have great confidence in a bandage of observed, that on opening the stable door, the scarcely discernible, and hence the very absurd tobacco leaves or stems; it should be kept on horse appears to be roused for a time, pricks up notions that are entertained by many individuals from the first of August to November, and could his ears, and neighs. In the latter stage of the

well broken up, and kept clean during the summer: the trees soon assumed a healthy appearance and furnished a plentiful supply of fine truit, and the whole orchard is now in the most flourishing coadition, and I believe, there will be no

- () - () DISEASES OF DOMESTIC ANIMALS AND THEIR CURE.

Staggers.—'This disease has been usually divided into two kinds; viz. the sleepy and the mad staggers. The latter disease is noticed under the been recommended to be applied to the root of ease described by Mr. Poole under that name, as my correspondent at Swansea informed ter, but simply by using some nutritious substance horses by it, and the next year we lost about 30. The symptoms you mention as distinguishing sto-The best plan of guarding against the ravages mach-staggers are exactly such as occur here; this complaint, but when the disease continues four or five days, inflammation of the bowels and lungs sometimes takes place. The disease is always attended with costiveness, and the dung that is drawn off by raking is generally hard and slimy. The urine is generally in small quantity; and in the latter stage of the disorder I have known a arise from the stomach being crammed or distended with dry undigested food; but it has not been more generally takes place about the middle of ring of the ground; I apprehend, that the dis-that month, and is to be found enveloped in its case called "yellows" is often thus occasioned.— of power in the stomach, in consequence of which follicle, close to the trunk, among the gummy Last year my peach orchard was considerably af-it becomes incapable of performing its functions.

From considering the variety of circumstances is owing, perhaps, more to the inattention of the and situations in which the disease takes place, it proprietor of the horse, than the obstinacy of the three quarters specified, is appears probable that different causes may pro-disease, that it so often proves fatal. duce the same disorder, but in various degress.—

The ball:—Calomel, three drams; duce the same disorder, but in various degress.— The lethargy described by Mr. Poole, which appears to be caused by the plant ragwort, is perhaps the same disease as that which occurred near Swansea, only in a less accute form; and the cases that have come under my observation, though originating perhaps in a different cause and opening clysters injected. The ball should seven t from either of the former, is precisely the same of followed by some stimulating fluid, which disorder; in a more acute form than that caused should be frequently repeated. When the dung by ragwort, but less so than the disease which appeared near Swansea. Mr. Poole appears to be an accurate observer, and it is to be regretted flour gruel; a lattle cordial medicine may also be that he did not examine the horses and cows that given, but he must be fed with great care, and be died of this complaint, and prove, by an experi- allowed no hay, for a few days after his recovery, ment, that raggort really possesses that poison. The stimulating fluid above mentioned may be ous quality which he attributes to it. It is possi- composed of warm salt water, with a little comble that the disappearance of the disease may have been occasioned by the improved state of the land, and a want of noxious exhalations in consequence of draining, &c. The staggers which proved so fatal in Glamorganshire, I am inclined to believe, were an epidemic, or rather an ende-mic and contagious disorder. The gentleman of Swansea, who favoured me with his observations on this disorder, says, "I strongly suspect it arises from some poisonous plants in our pastures, which flourish only to a poisonous extent at some particular times, and which have not hitherto been detected. I have mentioned our horses having been attacked the year following our neighbour's great loss, and when they were free from it .-Most of our horses were purposely kept in the The receipts for post-stable; and I have some idea that they were fed the same period, were upon hay of the same year that our neighbour's horses were fed upon the preceding year." In another part of the letter, he says, "Our neighbours firmly believe it is contagious: they took every precaution to prevent contagion, and the disease left them. I was incredulous, and at this time we had not suffered: a horse from their neighbourhood came to graze in some fields through which our horses passed; he died of this disorder, and was left unburied: from this time the of sixteen thousand two hundred and ninety-eight ninety-five thousand one hundred and eighteen disorder began with us; but not knowing the cir-dollars and ninety-one cents. cumstance of the horse remaining unburied, I A comparison of the receipts for postage, for conveyed in stages three hundred and seven took no precaution. The valuable horse before the three quarters preceding the 30th June last, thousand, two hundred and seventy miles. mentioned was taken ill the next day, and soon with the corresponding quarters of the previous died." In the cases of staggers which I have seen, and they are numerous, the disease has never appeared to originate in contagion or infection. When it has occurred at grass, it is gene rally about autumn, and frequently in meadows adjoining rivers, and other situations where the grass at that time is rank, and possesses but little nutriment. The humid and cold atmosphere in such places may perhaps contribute, in no slight degree, to the production of the disorder. The cases of staggers I have met with which occurred in stables, have appeared to arise from the horse eating too greedily, swallowing his food when im- ry, 1824, to the 31st of March, enperfectly chewed, or eating freely of food that is difficult of digestion. Young vigorous horses may digest the most unwholesome food; but such as the year 1823 have been debilitated by hard usage, and are rather advanced in age, become, like a modern bilious man, very weak in their digestive organs, and, when improperly fed, liable to apoplexy or staggers. I am convinced, that the only remedy for this disorder is a mixture of a powerful stimulant with a purgative. From whatever cause to the 30th of June, 1824 the disease may proceed, it has been clearly proved, that the stomach is loaded with undigested responding quarter of the year 1823 \$278,211 26. food, from a loss of vital energy; I would there-fore advise, in the first place, the following ball to be given. It must be observed, however, that until the disease has made some progress; and it cents.

Ginger, three drams;

to form a ball.

becomes soft, and the horse appears to be getting better, let him drink frequently oatmeal or wheat stated, is pound spirit of ammonia or mustard.

REPORT

OF THE POSTMASTER GENERAL.

The Postmaster General to the President of the United States.

Post Office Department, 30th Nov. 1824.

following report respecting the transactions of also been given, on many routes, within the same this department.

The expenditures of the Department from the 1st April, 1822, to the 1st April, 1823, were, as stated

The receipts for postage, during

cents more than the current receipts.

The expenditures from the 1st April, 1823, to the 1st April, 1824,

were

Receipts for postage, during the

me time amounted to \$1,153,845 72. Leaving an expenditure, beyond the receipts, same time amounted to

Postage received from 1st October, to the 31st December, 1823, amounted to

In the corresponding quarter of \$261,741 64

1822, there was received

16,091 46,

Making an increase for this quarter, of sixteen thousand and ninety-one dollars and fortysix cents.

Postage received from 1st Janua-

In the corresponding quarter of

\$286,144 29.

23,611 40.

and forty cents.

Postage received from 1st April

There was received for the cor-

the veterinary practitioner is seldom consulted thousand and sixty-four doilars and twenty-eight rate of about twenty-five thousand dollars per

The total increase of receipts for

The accounts registered for the quarter ending on the 30th of September last, have not been Carbonate of ammonia, two drams; all examined, but it is calculated that the receipts will exceed, by fifteen thousand dollars, Aloes, six drams.—Syrup enough the receipts of the corresponding quarter of the previous year, which will make an augmentation The hard dung should be drawn from the rectum, of receipts, for the four quarters, of about fifty-and opening clysters injected. The ball should seven thousand seven hundred and sixty-seven

> The total amount of receipts for postage for the three quarters above

\$878,866 33.

During the same time the expenditures of the Department, were

\$868,121 50.

\$10,744 85.

Leaving the sum of ten thousand seven hundred and forty four dollars and eighty-three cents, more than the expenditures for the three quarters.

Contracts were made in September, 1823, to transport the mail in the present year two hundred and thirty five thousand three hundred and seventy-eight miles more than it was transported in the year 1823. One hundred and twentyfive thousand and thirty-four miles of this dis-Sir, -I have the honour to submit to you the tance, it will be conveyed in stages. There has time, greater expedition in the conveyance of the mail for which an adequate compensation is paid.

In making the mail contracts in September last, for New England and New York, there was but in my report of November last, \$1,169,885 51. little reduction of expenditure, but many important accommodations were given, by making provision for an increased transportation of the mail. Leaving an expenditure of fifty-five thousand Under these contracts, the mail will be convey-and five hundred and forty dollars and thirty-nine ed two hundred and fifty-nine thousand seven hundred and forty miles per annum more than it has ever before been transported, by contract, in the same sections of country. It will be convey-\$1,170,144 63. ed in stages, the whole of this distance, except ten thousand five hundred and four miles.

Since the first of July, 1823, the transportation of the mail has been increased four hundred and ollars and ninety-one cents. miles per annum. Of this distance it will be A comparison of the receipts for postage, for conveyed in stages three hundred and seventy-four

with the corresponding quarters of the previous This transportation, computed at the lowest year, will show a considerable increase of receipts, price for which similar service is performed, will amount to the sum of thirty thousand dollars annually. When, to the sum is added the den-\$277,834 10. ciency of receipts to meet the expenditures for the year ending on the 1st April, 1823, and the probable excess of receipts for the present year, above the expenditures, the improvement of the operation of the department will appear,

For the above service \$30,000 00.

Deficiency of receipts to meet the expenditures for the year ending on the 1st April, 1825,

Probable amount of receipts for

\$309,755 69. postage the present year, above the current expenses

\$15,000 00. \$100,540 39.

\$55,540 39.

From this statement, it appears that the condi-Making an increase, for this quarter, of twen-tion of the department has been improved, in ty-three thousand six hundred and eleven dollars comparison with the year ending on the first of April, 1823, by a reduction of expenditure and increase of receipts, one hundred thousand, five \$281,275 54, hundred and forty dollars and thirty-nine cents per annum.

The advantages from the arrangement adopted respecting newspaper postage, have not been fully \$3,064 28. developed, but it has been ascertained, that the Making an increase for this quarter of three receipts for that item have been increased at the annum.

Unremitted exertions have been made to collect the balances due to the department. With. in the past year many suits have been brought and judgment obtained. In many cases, where judgments have been obtained on accounts of long standing, the delinquent Postmasters and their sureties have been found insolvent, and the costs of suit have been consequently paid by the Department. To avoid as far as possible, a useless one year above another. We have considered, expenditure of this kind, the Attorney of the in equal fulness, the actual state of our imports. United States is now requested, when an account of some years standing is sent him for collection. In order to give a due weight and interest to not to commence suit, if, on inquiry, he shall find these considerations, it is necessary to correct a popular error upon this subject. It was formerly popular error upon this subject. It was formerly Department to a bill of costs, without answering any valuable object to the public. In a short and then, subtracting the amount of the one time, all demands against delinquent Postmasters from the other, to set down the difference, that will be in suit, where there exists any probability is, the excess of the exports above the imports, that more than the costs can be collected.

revenue of this department for the past year autherises the opinion that it will be able to meet an the worth of the exports, beyond this price paid increased expenditure, by affording additional for them, was the only gain or addition to the

gress may think proper to establish.

mercial posts.

repair so much of the mail route, from Nashville of the income of our nobility and gentry? It is in Tennessee, to New Orleans, as passes through the same with every other article of importing the Indian country, and which was placed by It is either a raw material of manufacture, and

made the whole extent, so as to remove all ob-structions to the transportation of the mail, it Now, then, as our limits afford us only the was deemed important, before the commence-ment of the work, to ascertain the nature and ex-tent of those obstructions. This was done by the first call the attention of our readers to the acperson appointed to make the repairs; and in tual progress of this import trade, within the making them, streams of water, which were oc-last three years. We can afford, indeed, only casionally rendered impassable to the mail, by one sentence to this subject, but that sentence high water, were bridged; and swamps, which will speak for itself. In the year 1822, the

for that purpose. They were instructed to ex-thousand pounds. amine minutely, the manner in which the work sum would be a reasonable compensation for it.

JOHN M'LEAN.

The President of the United States.

From Bell's Heekly Messenger.

We have frequently had occasion to call the attention of our readers to the flourishing condition of British trade; and particularly to the excess of the exports of British growth and industry of

pare merely our exports and imports together, at more than the costs can be collected.

The improvement which has been made in the ports were so much money expended and consumail accommodations on established routes, or by national stock. It is true, that, in all our late transporting the mail on new routes which Con-political writers, this error has disappeared; but it still continues to hold its ground in our news-There are many routes, now in operation, which require greater expenditure than any advined arising to the public would seem to justify the imports are bought by traders for the purpose If these were discontinued, and other routes of of trading, and are, in fact, the materials of our more general utility established, the public conmanufactures, or the stock of the trader and venience would be greatly promoted without addealer, they equally constitute national wealth, ding to the expenditure of the department. A and equally contribute to the activity of national judicions revision of the mail routes, and of the commerce, with the amount of our exports. For law regulating the Post Office Department, will example, without a good stock of hemp, flax, and the mail into every populous neighbourhood of manufactures? Without our imports of wine, the Union, but to give every accommodation how would the capital of our wine merchants call which may be desirable to the important comforth so much active labour and industry in all those who supply the article, and invite and force The money lately appropriated by Congress to into the general channel of circulation, so much your direction at the disposition of this department, has been applied to the object intended,
except five hundred and ninety dollars and six it is an article of mere consumption, but thereby, giving activity to the circulation of the general As a small sum of money was to be expended capital, affording wealth to the dealers and large in repairing a road of great length, and as the traders, and distributing wages and the means of public interest requires that the repairs should be comfortable sustenance to all those concerned in

wayed. The work, it is believed, has been faithreport, was twenty-nine million seven hundred
fully executed, and at such places on the route
thousand pounds. In 1823, about the same sum,
as most required it. were also sometimes impassable, were cause- amount of our exports, according to the official or rather short of it, the official figures being, After the work was done, the money was paid, twenty-nine million four hundred thousand pounds. on the valuation of two practical men, who were But, in 1824, (the year finishing in January last,) recommended to the department as well qualified their amount was thirty-four million five hundred

Our main attention, however, for the present, had been performed, with a view to its perma-has been directed to the average amount of our nency and the object designed, and to report what agricultural imports,—and to their consequences agricultural imports,—and to their consequences upon the farmer, and upon the public. As to the The balance of the appropriation which re-mains unexpended, will be applied in making of this amount, of articles which might be raised some additional repairs during the present winter. at home, necessarily detract from the value of I have the honour to be, most respectfully, his capital and land. As to the public, they assuredly benefit in the same proportion, as we get it was 15 months (say 450 days) old, which weighter the same proportion is a second or suredly benefit in the same proportion.

important question, therefore is, whether the interest of the farmer and of the public could not be reconciled,-that is to say, whether the farmer could not raise the required stock at the same price, so that we might spend our money at home? Or, is the truth of the matter this,—that it is impossible for the farmer to raise this produce at such a price, consistent with the cultivation of more valuable articles? and therefore, although he loses in the price of butter, cheese, tallow, hides, flax, hemp and wool, he has still his due share of profit in the sale of what he actually does raise of this kind, and in the culture of wheat and other crops.

Now, as to the amount of these agricultural imports, they will be found much greater than we had previously any notion of, and, we have no doubt, than most of our readers have ever thought, -so much does exact calculation correct general and loose opinions. The total value of all the wheat annually grown in England does not certainly exceed nine million pounds sterling. Now, it will appear from what follows, that the amount of our agricultural imports actually exceeds half of that sum; that is to say, exceeds the annual value of all the wheat grown in England.

The first of these articles in order, though not in importance, is butter-the annual amount of the import of which for the year 1814, was one hundred and sixty-eight thousand pounds. Add to this, the amount of the next article, cheese, which for the same year exceeded one hundred and thirty-eight thousand pounds; and the joint value of our import of butter and cheese, is three hundred and six thousand pounds, or nearly the third of a million.

The next article is tallow, the amount of which, for 1824, was eight hundred and fortynine thousand pounds; and the next article is seeds, which exceeded two hundred thousand pounds,-the two together thus exceeding very considerably a million.

The next articles are hides and skins, amounting in 1824, to the value of six hundred and seventy-five thousand pounds,-and the next, hemp and flax, amounting to a million and a half ;-together above two million two hundred thousand pounds.

The next article in order is wool, which, in

1824, exceeded £678,000.

And the next article, foreign spirits (not including rum) about four hundred and forty thousand,-wool and spirits together thus amounting to one million one hundred thousand pounds.

The total amount of the whole together is thus about four million six hundred thousand pounds, -a sum which must have a most important effect

upon British agriculture.

When we say this, however, we fully assent to the principle, that every nation may wisely and justly resort to foreign supply, where it cannot raise the required produce at a price within the farmer or planter cannot raise a sufficient stock of one article consistent with his cultivation of another. In these cases, what the farmer loses on one subject, he makes upon another, and he has therefore no cause to complain. The only ground of complaint would be, if he could raise at the same rate, or nearly, what we now buy of foreigners.

Johnston's famous Breed of Hogs. cheaper what would necessarily be dear in project five hundred and one pounds, when neatly portion to its insufficient quantity at home. The dressed.

guished for his intelligence and publick spirit, sent by the U. S. schooner Nonsuch, half a barrel of seed wheat, to be divided between the Hon, J. R. Poinsett, member of Congress from South Carolina, and J. S. Skinner, Corresponding Secretary of the Maryland Agricultural Society. -The portion which fell to the lot of Mr. S. has been deposited in the room presented by R. Oliver, Esq. to the Maryland Agricultural Society, as all other things of that nature will hereafter be, for the use of the members, and of subscribers to the American Farmer.

A box of flower seeds from France, presented to the Corresponding Secretary, by that indefati-gable patriot, Mathew Carey, Esq. will be deposited at the same place, for the same use, as soon as we are furnished for the Farmer with a translation of the labels, to be made by Mr.

W H. Tiernan,

Once for all it may be noted, that those who avail themselves of what is placed in the Society's room for the use of the members, will be pleased to leave their names in a hook to be left there for make these valuable contributions will have in effect, rendered only half the service they propose, to the agricultural community.

Arrow Roor-some seed-and some in a prepured state, with the following note:-

Edisto Island, Nov. 24, 1824.

Dear Sir,-I herewith forward you a box, containing a small quantity of prepared arrow root, and a few seed. By following the directions communicated by me some time since,* I have no doubt, but that you will succeed in raising this very valuable root. Be particular and keep the box in a dry and warm situation.

Respectfully yours, W. B. SEABROOK.

J. S. Skinner, Esq.

*See American Farmer, vol. 6, No .-- , for a very interesting communication on this subjectwe hope these seed will fall into hands that will bestow upon them the care that becomes the great value of the article, and that may correspand with the politeness and publick spirit which has prompted Mr. Seabrook to send them .- Edit.

CULTIVATION OF THE VINE.

We have assured the respectable and esteemed officer and friend, from whom the tollowing ed officer and friend, from whom the tollowing the preceding Resolution of the Board, has protected was received, that the attention of the American publick, is turning seriously to the cultivation of the vine. To this it has been infronting on Calvert-street over the Post-Office, routivation of the vine. To this it has been infronting on Calvert-street over the Post-Office, Red, do. per bushel, \$4-Saplin, do. \$5.75—Cultivation of the vine. To this it has been infronting on Calvert-street over the Post-Office, Red, do. per bushel, \$4-Saplin, do. \$5.75—Cultivation of the vine. To this it has been infronting on Calvert-street over the Post-Office, Red, do. per bushel, \$4-Saplin, do. \$5.75—Cultivation of the vine. To this it has been infronting on Calvert-street over the Post-Office, Red, do. per bushel, \$4-Saplin, do. \$5.75—Cultivation of the vine. To this it has been infronting on Calvert-street over the Post-Office, Red, do. per bushel, \$4-Saplin, do. \$5.75—Herds vited no less by the profitable experiments of where the Society, and the Committees appoint grass, \$2-Herrings, No. 1, \$2-No. 2, \$1.75—Hay, per ton, \$8-Leather, best sole, 24 to 27 here. ed officer and friend, from whom the following in the American Farmer; than by the general necossity which exists, to find some new objects of his Agricultural Library, to be deposited for its culture, more profitable than those which have use in the Society's room, in Calvert-street. heretofore constituted the staples of American agriculturists —In this state of things we should purpose. A list of these books, with any others suppose that the information given in the follow- which may be offered for the same purpose, will ing extract, would be acceptable, and that the hereafter be published, for the information of the Turpentine, \$2 to 2 25-Coal, pit, foreign, 40 cts. person there spoken of, as a practical Vigneron, members. would not fail to meet with acceptable employ-

Our Consul, at Algiers, Mr. Shaler, distincultivation of the vine, as practised in Calabria, Society on the occasions of its publick exhibi-which is his native province. Should you know tions; and that the Corresponding Secretary be of any one wishing to employ a person of this instructed to communicate to him a copy of this kind, you will much oblige me by informing me resolution. of the same. As far as I am able to judge, he is an industrious and sober man. He owns conside-lingsworth, D. Williamson, Jr., and J. S. Skinner, rable property in land near Salerno; and we be, and there are hereby appointed a Committee were assured by Mr. Hammet, our Consul at to examine the accounts presented against the Naples, that his connexions were respectable.

THE FARMER.

BALTIMORE, FRIDAY, DECEMBER 31, 1824.

MARYLAND AGRICULTURAL SOCIETY .- Meeting of the Bourd of Trustees-Proceedings, &c.

The Board met on Monday, the 20th instant agreably to appointment, at General Harper's.-The committee appointed to wait upon R. Oliver, Esq. and to make known to him, that he had been unanimously elected President of the Society, reported, that they had performed that duty; and, the purpose, and to recollect, further, that the that Mr. Oliver gave them in charge to express Board of Trustces will expect them to render to the Society his sense of the honour proposed and the results.—All this is but fair, and without for the prosperity of the Society, and his convic-meet at the Society's room, over the Post Office, it those patriotic citizens and strangers, who tion of the useful tendency of its labours; but on Monday, the 3d of January 1825, at 11 A. M. that it was equally at variance with his inclinations, and habits, to accept of any publick station whatever; and that therefore, whilst he was ready to contribute, in any other mode to the views of the Society and the prosperity of Agriculture, he must beg to decline the offer communicated to him, by the committee.

The Corresponding Secretary communicated to the Board, by authority of Mr. Oliver, his wish to make to the Society a donation of \$100 per annum, to be appropriated under the direction of the president and corresponding secretary, for the president and corresponding secretary, for the president and solid business talents. procurement of a suitable apartment for the meetings of the Society, and for the purchase of an Agricultural Library for its use: Whereupon, the Board of Trustees passed, unanimously, the following Resolutions :-

Resolved, That the thanks of the Board of Trustees be presented, in the name of the Maryland Agricultural Society, to R. Oliver, Esq. for the very liberal donation tendered by him, through the Corresponding Secretary, who is hereby charged with the execution of this reso-

Resolved, That the Corresponding Secretary be authorised and required, to procure a suitable key, in hhds. 21 to 213-do. in bbls. 23, no charge apartment for the meetings of the Society, at an for barrels-Pork, from the wagons in the marexpense not exceeding fifty dollars per annum.
The Corresponding Secretary, in obedience to

General R. G. Harper tendered to the Board,

call a meeting of the Society at their room over

to have been a brave and meritorious officer. He their thanks to John W. Thompson, Esq. for his

Resolved, That James Carroll, Jr., Jacob Hol-Society; and that they be authorised to draw on the Treasurer for such sums as they may deem just and proper to discharge the same.

Resolved, That R. G. Harper, Richard Caton, Benedict W. Hall, D. Williamson, Jr., G. How-ard, and J. S. Skinner, be, and they are hereby appointed a Committee to frame a Scheme of Premiums for the next Cattle Show and Exhibition; and that they form it on a scale amounting to not more than \$1,000.

The Board of Trustees adjourned at half past 3, P. M. having previously appointed 11, A. M. on Wednesday, the 19th January, to meet at the resi-

dence of R. Caton, Esq.

The committee appointed by the Board of Trustees to form a scheme of premiums-and to be conferred on him; his sincere good wishes the one appointed to go to Annapolis, will both

> The management and transactions of the General Post Office Department are of such universal interest, that we have supposed we should serve and gratify our patrons in every State and Territory, by recording the annual report of Mr. M'Lean on the past and present condition of its affairs.—It will be seen that it has been brought to that condition of efficiency and prosperity which is the natural fruit of an administration

> AGRICULTURAL COMMITTEE of the House of Delegates of Maryland. Messrs. Lee, Wooten, Steele, Lloyd, Hopper, Howard, Merrick, Millard and Thomas.

PRICES OF COUNTRY PRODUCE, COLLECTED AND ACCURATELY STATED BY THE

Editor of the American Farmer. Wharf flour, \$4 25 to \$4 374—Wheat, red, 80 to 90 cts.-ditto white, 90 to 100 cts -Corn, white, 20 to 30 cts.—do. yellow, 33 cts.—Oats, 21 cts.—Rye, 37½ cts.—Barley, 45 to 50 cts.—Whisket, \$4 to \$5-Turkeys, 621 cts. to \$1-Geese, 50 cts.—Beef, best pieces, 8—Mutton, best pieces, cts .- Feathers, live, per lb. 32 cts .- Cotton, Louisiana, 16 to 18-Georgia upland, 15 to 17-Alabama, 13 to 15—New wool, 30 to 35—Merino, full blooded, 35 to 40—\(\frac{3}{4}\) do. 30 to 35—\(\frac{1}{2}\) do. 25 to 28-Common, 20 to 25-25 per cent more when well washed on the sheep, and free from tags--Virginia pit, 20 to 25 cts,-Susquehanna do. Resolved, That the Corresponding Secretary \$6 50 to 7-Lime, bushel, 30 to 33 cts.

AGRICULTURE.

CULTIVATION OF THE GRAPE.

Sandy Spring, Md. 12th Mo. 25th, 1824. States, is more and more seen by our agricultural citizens, and their attention to it more and more excited, I am of opinion that every thing inches diameter and unglazed.) The eye of the more than one shoot, in which case all but the tending to throw light on the subject, ought to cutting must be covered with earth, and then strongest should be rubbed off, and that supportbe laid before them in the most extensive man-watered to settle the ground; after this lay half ed from falling down; which, except the keep-ner possible. I have seen a piece by Timothy an inch of horse dung on the surface to keep it ing of the ground free from weeds, is all the Matlack, in the 3rd vol. page 1, of the Memoirs from becoming dry and hard. Place the pot in care required for this year. In November, this of the Philadelphia Society for promoting Agri- your hot bed, prepared for raising your cabbage shoot is again to be covered as before directed, culture, which I think contains some very inge- plants, whenever that is ready. The vine will nious and useful ideas on the subject of planting require no further care than that extended to off just above the second lowest clasper; that is, the vine; and as the American Farmer has a much more extensive circulation in our country, much more extensive circulation in our country, rises from the eye, rub off all but the strongest, again rubbing off all the eyes below the lowest than the Memoirs above mentioned, I wish to About the first of June, turn out the vine from clasper. Both these shoots should be permitted see that excellent paper republished in thy work, the pot and set it in your garden, or at the east or to grow to their utmost length; which, if the Respectfully, thy friend, ISAAC BRIGGS.

John S. Skinner.

lack, Esq.

Read June 11, 1811.

taught by example. On the first you have had driest time. As the vine shoots upward, it must myself, and therefore offer you a short lesson covering of straw or indian corn husks, is benefiupon it, and recommend that you practice on this cial in preventing a frequent freezing and thaw to injure the leaf from whence they spring, which also, with an equal zeal. The interest of our ing of the vinc. In February it must be trimmed; is the nurse of the bud at the root of its stem.

Country calls for the example, and your situation and here commences what I conceive to be the being a very plain, simple business

That our country is naturally fitted for the purpose is undeniably evident, from the spontaneous these grapes are the "Miller Burgundy," the whole to be rubbed off.

"White Morrillon," and above all others, the "Genuine Tokay," which to the advantage of begin to apply the principle above laid down, plants.

Thus far you will set down as preface: what

plain common sense only.

each end with a sticking plaster of any kind, rubbed off. and set it in a pot of garden mould (about 5 or 6 your cabbage plants. If more than one shoot leaving on two eyes to shoot this season, and but, like other plants, it grows best in the best season. When first removed, water it at a distance On the cultivation of the Vine, in a letter to the from the plant, so as to draw the earth toward clasper appears higher up on some kinds of the President of the Society, by Timothy Mat- the vine, instead of washing the ground from it. vine, than on others: on some it appears at the If you water it afterward, pour the water into a third leaf, on some at the fourth, and on some trench at least eighteen inches from the plant; kinds so high up as the fifth leaf; but the same Dear Sir,-You and I are both old enough to for unless this precaution be used, watering does rule is to be alike applied to all, and every eye know, that christianity and vine dressing are best more harm than good, and does most injury in the below the lowest clasper be rubbed off. written on this subject.

production of the vine in every part of the sea rate pith. This most important circumstance probably many succeeding years. cost, from Georgia to Maine, and to the westward commences at the lowest leaf that has a clasper* as far as we know any thing of its productions. opposite to the leaf. A solid woody substance mended, rather than a cutting of sixteen inches Which is the best of those grapes, remains to passing from the leaf to the clasper, through the long, it is replied, that roots shooting from a sinbe enquired; but it is ascertained, that several vine, and connecting them together, cuts off engle eye, are exclusively from itself, are much kinds of them are superior, for wine, to any of tirely the communication between the pith and the strongest, and strike more directly downthose called European grapes, hitherto imported the joint below, with that of the joint next above; ward; the shoot from it has less pith in it, the into this country.—For example, the bull or bulled and so on, upward, at every joint through the let grape of Carolina, the Bland grape of Vir ginia, and Cooper's grape of New Jersey,* all of stance not less important to be known, and kept the most healthy vine. And to these important which stand our climate perfectly well, without in mind, that all the eyes below this first clasper advantages may be truly added, that a thousand covering; and their fruit, instead of being injuer are formed in the bosom of smaller and more plants, fit to set out, may be raised from the red by the frost, as all the European grapes are feeble leaves; and that the base of these eyes single eye with less labour and within less space, known to be, is improved by a slight frost. Of does not extend across the vine, so as entirely to either in a hot bed, or in the open ground, than the European grapes, the downy leafed vines cut off the pith of the joint below, from that of a hundred plants can be raised from long cuttings; have the important advantage, that the down sethe joint next above it; these eyes are therefore which have not, that I know of, one single ad-

the hoary leaf, adds that of producing the best and it is here only that there ever can be any wine in the world; and growing in a country eight difficulty in the application of it: and this difficulty in the application of its situation, an active imagination would suggest

* The word clasher is alone used to avoid profollows is to be considered as a simple, plain les-son, and it shall be confined to the consideration the growth of the vine, takes place, also, where nore will be required to apply the principle and son, and it shall be confined to the consideration of a single vine, because if the cultivation of one the first bunch of grapes stands opposite to a leaf; vine is well understood, the application of that which never fails to stand below all the clasters, and vines, whenever the people of the country *A variety of the Vitis Sylvestris, or blue whose chief office is to support the vine and the vineyards for a supply of wine within ourselves. clusters below them.

knowledge to any number, is an operation of produced a clasper in any part of it, which will seldom happen; but if it should happen, the In February, take a single joint of the vine vine must be cut off at half an inch above the you choose, the "Genuine Tokay" if you can lowest strong full eye; otherwise it is to be cut Respected Friend,—As the very great impor- find it, cut it off at half an inch above the eye, off at half an inch above the first clasper, and in tance of cultivating the grape in the United and again at two inches below the eye, cover both cases all the eyes below are to be carefully

The eye thus left on will sometimes produce north end of your house, wherever it can be pro-tected from violence. It will grow in any soil, there will be reason to hope for fruit in the next

Here you ought to be apprised that the lowest

In the third February cutting, three eyes upon many excellent lessons, and I am perfectly con- be supported from falling. No other care than each shoot may he left on, and not more, howetent with your practice on them; but on the lat keeping the ground clear of weeds is necessary ver strong the shoots may be. From this time forter I suspect you have had less experience than for the first summer. In November, a slight ward all the side branches from the shoots of the year are to be rubbed off; taking great care not

At the fourth time of cutting the vine, and affords the opportunity of giving it the greatest sole difficulty in cultivating the vine—to wit—to from that time forward, it may be cut about the effect. The lesson shall not only be short, but determine at which of the eyes it is to be cut off. last of October, four eyes on each shoot may be last of October, four eyes on each shoot may be easy to practice: for I am persuaded, that so What is here about to be said, descrives the more left; and at the fifth cutting five eyes on each much has been said about raising vines, as to attention, as it applies to every succeeding cutting shoot may be left on, but more than five eyes on have frightened people with the ghosts of diffi-culties that never existed; the practice really directly to the ground and principle of its cultiva-most vigorous state of growth, at any age of the tion, and will not be found in any author who has vine: for, however pleasing the increase for the year may be, the injury thereby done to the vine, Every joint of a grape vine has its own sepa- will be seen and lamented in the following, and

If it be enquired why a single eye is recom-

or ten degrees further northward than we are, culty can only arise from the circumstance of so a volume upon the subject, and possibly unluckimay be relied on to stand our climate, as well as very feeble a growth in the vine, as not to have ly miss the only direction suited to the case; but, fortunately, the fact is, that a very small share of common sense will in all cases, be fully suffi-A few examples by men of your standing, will

bunch grape. Vol. 6.-42. J. M.

lead them into the practice, in the only way in which we can hope for speedy success. And I ten yards, we award the premium of four dollars their industry, ingenuity and taste, which have pledge myself to you, that whether you immedito Miss Evelina Martin of Talbet Co.

They have no hesitative premium of four dollars their industry, ingenuity and taste, which have passed under their notice. They have no hesitative passed under their notice. ately succeed or not, you shall derive a pleasure from the attempt itself, that shall amply satisfy you fer every expense, of money or time, it shall lars to Mrs. Ann Hardcastle of Caroline Co. cest you. Sporting with the long branches, bending them in festoons, and marking the growth of the fine clusters from the upper buds, that in this way may be preserved, and occasionally displaying them at a festive board, has the happiest effect upon the human mind-such as Bonaparte never felt. These are the preper play things of great men; and had General Washington lived it their duty to state, that many of the articles to this day, I would have said to him "one thing for which no premium was awarded, were of a lackest theu yet," in that, after saving the world a vineyard.

Lame by an accident and confined, I have cheated a wearysome hour by intruding this upon you; for which I have ne apelogy to offer, but you; for which I have ne apology to offer, but and in consequence of there being none made enter, most justly entitles the ladies, under whose that I think the subject worth your consideration, tirely of wool, for which (according to the uncare and direction it was made and presented, to

motive of real respect-by

Your humble servant. T. MATLÁCK.

Philadelphia, 28th May, 1811.

Hon. Richard Peters.

P. S. Mr. Matlack, in a very instructive lecture delivered to the Agricultural Society, by particular request, proved the accuracy of his theory, and the justness of his remarks, on the physiclegy of the vine.

From the Easton Gazette. EASTON CATTLE SHOW. (Concluded.) No. IX

HOUSEHOLD MANUFACTURES. The committee appointed by the Trustees of the Maryland Agricultural Society for the Eastern Shore, to award the premiums offered for Lousehold Manufactures, have been highly gratified by having to examine a most splendid exhibition of various useful and elegant articles, and after a patient, laborious, and critical examina-tion, have awarded the said premiums as follows,

For the best piece of kersey (cotton warp,) net less than ten yards, we award the premium of five dollars to Mrs. Mary Merris of Talbot Co.

For the best piece of flannel not less than ten yards, we award the premium of five dollars to Mrs. Elizabeth Wooley of Easton.

For the best piece of cassinett not less than ten yards, we award the premium of five dollars to Mrs. Mary Wrightson of Talbot Co.

For the best piece of carpeting not less than 20 yards, we award the premium of five dollars to Mrs. Rebecca Maxwell of Kent Co.

For the hest hearth rug, we award the premium of four dollars to Mrs. Sophia C. Banning of Talbot Co. For the second best hearth rug, we award the premium of three dollars to Mrs. For the fourth best hearth rug, we award the presented to Miss Hull. premium of one dollar to Mrs. Sophia C. Banning of Talbot Co.

For the best counterpane, we award the pre-mium of five dollars to Mrs. Maynadier of the City of Annapolis, for her white knotted coun-Maynadier, the premium of three dollars for the second best counterpane.

For the best piece of linen sheeting not less than twelve yards, we award the premium of der him. five dollars to Mrs. Ann Hardcastle of Caroline It is a s

County.

ten yards, we award the premium of three dol-

W. Sparks of Queen Ann's Co.

For the best pair of knit cotton steckings, we award the premium of one dellar to Mrs. Nancy Connelly of Talbet Co.

quality se nearly equal to those of the same spe-

offered, but all of them were of cotton warp, matrass, manufactured by her and exhibited for institution. their inspection.

Of flannels there were several very handsome

Of carpeting there was a very elegant display, and the committee had considerable hesitation in coming to a decision, there being several most

both in number and splendor surpassed all expec- which upon being opened, disclosed the name of tation, and excited universal admiration—all of Mrs. Ann Maria Tilghman: to the second was the very great number reflected much credit in a similar manner annexed the name of Mrs. upon the makers-many of them were so nearly Elizabeth C. Skinner: and to the third the name equal, both in substantial quality and elegance, of Mrs. Battie. To the best pot of butter was and some in each one of those points separately, attached in like manner the name of Mrs. Elizaas to render the task of the committee extremely both H. Hayward: to the second that of Miss

difficult in making up their judgment.

Of counterpanes, there were great numbers and varieties of this article exhibited, and most of them deserving of much praise. The committee therefore adjudge and determine, that those ladies are entitled to the reof them deserving of much praise. The com-mittee had very much hesitation and difficulty in making up their opinions, and awarding the premiums for this article, on account of the unquestionable superiority of some of the articles in point of substantial quality and real utility, whilst others were as decidedly superior in ingenuity of design, elegance of appearance, & marked value.

to a very handsome and excellent piece of poplin, manufactured and offered for their inspection by Miss Mary Hull of Easton, and they regret that they have no premium at their disposal equal to the high merit of the article, but the only premium remaining unappropriated by the commit-miums—Report, that they have with peculiar tee, viz: the one of one dollar offered for the pleasure performed that task,—and mium remaining unappropriated by the commit-Mary Ann Denny of Talbot Co. For the third tee, viz: the one of one dollar offered for the best hearth rug, we award the premium of two dollars to Mrs. Eliza C. Skinner of Talbot Co. premium was awarded) they recommend to be premium was awarded) they recommend to be ple presented, and that by Mr. Robert Banning,

A most superb piece of cassinett was exhibited

committee that the Society are indebted to the Dawson.

For the best piece of table linen not less than ladies for the superb and splendid exhibitions of For the best piece of tewelling net less than tion in prenouncing them in each particular unsurpassed upon any similar occasion, and they have the authority of gentlemen, who have seen For the best pair of knit weelen stockings, we many exhibitions in various parts of the country, award the premium of one dellar to Mrs. Ann for saying they are unrivalled .- All which is submitted.

> Thomas Culbreth. Wm. Clark, Phil'n Thomas, Joseph Edmonson.

Ne. X.-BUTTER.

The committee appointed to examine and defrom a political deluge, thou hast not yet planted cies of goods, which obtained premiums, that cide on the quality of the several samples of butthey had great difficulty in making their decisions. ter exhibited for premiums at the Cattle Show Of kersey there were several very good pieces and Fair, held at Easton, on the 18th inst.

REPORT,-That the splendid exhibition of butand that it is addressed to you from the henest derstanding of the committee) a premium of the highest commendations for their neatness, five dellars was offered, we recommend that said taste and judgment; the committee, in behalf of premium be presented to Mrs. Ann Reardon of the Society, cannot withhold an expression of Easton, as a testimony of the high approbation thanks to the ladies, for their meritorious efforts of the society of a most excellent curled hair in this department, to promote the objects of the

Very numerous specimens of butter were presented (some of which were unaccompanied with and excellent pieces exhibited, deserving of great labels) a large majority of which might fairly, commendation. vor, colour and firmness, be denominated firme: yet the committee, upon a close, minute and impartial examination, without a knowledge of the substantial and valuable pieces little inferior to competitors, have discerned grades of excellence, the one for which they finally awarded the in regard to both the fresh and potted butter, and premium. Of hearth rugs, the exhibition of this article meu of fresh butter, was annexed a sealed label.

> spective premiums, which have been effered by the Society for those grades of butter.

Jos. E. Muse, John Goldsborough, Jno. M. G. Emory. Horatio L. Edmondson.

P. S. None of the sealed letters were opened The attention of the committee was attracted by the judges, excepting those above mentioned, and one more by accident.

No. XI.-FERMENTED LIQUORS.

The committee appointed to examine and report on the fermented liquors presented for pre-

On Cider-Report that there was but one sam-

to whom they award the premium for cider.

On IVine—That there were several samples of by Mr. James Sykes, manufacturer near Balti-more, which the committee considered decided-ly the best piece of goods of the kind they have that grape, was delicious, to whom they award ever seen, but as the rules of the Society confined the premium for wine, and they wish it could be terpane marked 1824. We also award to Mrs. them exclusively to articles of Household Manusof generally introduced, as to supersede the use Maynadier, the premium of three dollars for facture they cannot gratify their feelings by give of ardent spirits, with their deleterious effects. ing Mr. Sykes any other premium than that of They cannot in justice withhold the expression of their highest approbation which they freely ten-der him.

their approbation of the excellent currant wine, presented by Mrs. Ann Kennard, and of the de-lt is a subject of the highest gratification to the lightful currant wine presented by Mrs. Edith

On Cordials—That the several samples of cor | After the close of the Cattle Show and Fair, lect, that those for whom it is requested, are nodials were super-excellent.—That the cinnamon on the 20th November 1824, the Maryland Agri-vices in agriculture, and will, therefore, require That the peach cordial presented by Mrs. S. C. Banning, was delightful, and the several samples each, entitled to a premium of praise.

ROBERT WRIGHT, Chairman.

The transaction of business.

Amongst others were the following proceedings, assure you that correct information on all the subjects mentioned, would be highly useful to hundred the officers and trustees by ballot, and that the present officers and trustees for the Rose cordial presented by Mrs. Ann Emory equalled cultural Society met at the Court House in Eas-

No. XII.—PLOUGHING MATCH.

The committee appointed to superintend the ploughing match,

REPORT-That they took upon themselves the duty of their appointments, and laid off for each competitor 4 of an acre of ground.

That the following persons entered ploughs for

premiums, viz.

Benjamin Kemp, Robert Sinclair, C. B. Palmer, Mr. Chaneyworth, Zench Tilghman, John Norriss, Dr. Ennalls Martin, James Chamberlaine and Aicholas Goldsborough.

ploughing in the following time:

Tench Tilghman 29 minutes. John Norriss 32 Robert Sinclair 34 Nicholas Goldsborough 34 C. B. Palmer Dr. Ennalls Martin 34

premium of five dollars, be given to Robert Sin-clair, and the premium for the ploughman to Mr. John Ellis.

how is the process to be conducted so as to pre-vent injury by the shrinking of the corn, the fall-ing of the shocks, &c.?

The committee award the first premium for of Queen Ann's County, 5 dollars. The premi-um for the ploughman with oxen, to Mr. Tilghman's ploughman.

Wm. Potter, Anthony Banning, James Denny, Henry Nicols, Carson Bowdle,

an animating scene-the time the work was per-pable of producing forty bushels of corn to the formed in we consider very small, and although acre, viz: the land having been in clover for the our own table, of hogs weighing over 150 pounds. our first attempt, much skill and good work was three last years, is to be broken up in the fall or exhibited on the occasion by all the competitors winter to receive the manure of the preceding —the ground was so fine that the large ploughs winter and planted; first year in corn, in the fall had great advantage; the steadiness they were wheat or rye; or in the spring, barley to be sown enabled to go with, the moderate depth they on it, and clover on the grain. The clover to be were required to turn, enabled them to throw a neither mowed nor pastured the season it is sown; monstrous furrow, which the adhesive sod caused the next year to be mowed; the next suffered to to be inverted in the handsomest manner.

The work of John Norriss merits particular commendation—one of his team was only a stout best distances for planting drilled corn*—the 2 year old Top-Gallant colt, which could not be width of the rows—distance of the stalks, and said to be broke; in addition to this he lost the number to stand together—and what is the best back-band of his other horse soon after he began. quantity of wheat to sow on such land after corn? These difficulties only served to exhibit his skill; Should you, or any of your correspondents, be These difficulties only served to exhibit his skill; Should you, or any of your correspondents, be he was the second plough out.—He ploughed disposed to furnish any information on all, or any deeper than any other team, and his work was ex-

cellently well done.

We were much delighted with one of our good work on the 1 of an acre in 48 minutes.

livening.]

be continued, and that they be, and are hereby now considered duly elected to their respective stations and offices which they now hold, agreeably to the provisions of the constitution,

AGRICULTURAL QUERIES.

The following queries come to us from an anonymous, but we reckon (this is the reckoning useful to thousands in a new country like his, procured and circulated.]-Ed. Am. Far. where efforts at improvement are but commenc-

1st. What is the best mode of extirpating St. John's wort, dock, and running hriers, or dewber-

ries, and sassafras sprouts?

That the several ploughmen performed their of arable land, most beneficial. If the former, and, it must be confessed, goes far towards vindiwhat is the best mode of creating them-of what kinds of grasses ought they to be composed-how should they be used; and what is necessary to perpetuate them? I speak of a country pretty well tion so readily. While it is admitted that very adapted to grass, and in which the blue grass, spear few farmers kill in the ordinary way for family grass and white clover, grow spontaneously, and usc, so fine a pen of hogs, averaging the weight where lime and gypsum are easily attainable.

4th, What is the best mode of saving orchard ploughing with oxen, to Colonel John Tilghman grass seed, red clover seed, and curing clover

> 5th. What is the best mode of applying farmhave no stercoraries?

6th. If the following rotation is exceptionable, how can it be advantageously altered by one who The ploughing match was to us a novel and what will be its probable effect on land now canimating scene—the time the work was per
pable of producing forty bushels of corn to the pable of producing forty bushels of corn t

7th. On land of the above quality, what are the

* I plant in drills, plough deep, and cultivate worthy fellow countrymen, Benjamin Kemp, a with the harrow to prevent washing. Is there any farmer, entering the list of competition with a better way, where the land is so broken as to ren-plough made by himself, and actually performed der horizontal ploughing impracticable, without nood work on the 4 of an acre in 48 minutes. having so great a portion of it in short rows, as to The whole scene was truly gratifying and en-render the cultivation in that way extremely trou blesome?

vices in agriculture, and will, therefore, require

[We expect very soon to receive, from a comnetent pen, in Albemarle, Virginia, some minutes as to past experience, and the present practice in that county, where the best information is to be had respecting horizontal and hill-side ploughing-and from a farmer in Baltimore county, the requisite information as to the structure of lime kilns, and the use of lime. Perhaps the author latitude) that they are put by a very respectable of the preceding queries may know for whose and eminent citizen of Tennessee. He assures particular use the information is intended! It and eminent citizen of Tennessee. He assures particular use the information is intended! It us that the required information will be highly will, however, prove to be of general utility when

O A GOOD PEN OF HOGS.

We have several times given the weight of dife ferent farmer's pens of Hogs. The following is 2d. Are permanent pastures, or the pasturing an account of a killing at Hayfields last week; cating Col. Bosley from the insinuation of mismanagement on the score of keeping a bad stock of these, other considerations present themselves, James Chamberlaine

3d. Has it been ascertained whether corn, (and if any, what kinds) can be advantageously cut breeds which, on the same keep, would have attained the same weight, in three months less time? We suppose these to have been not less than eighteen months old—And again, might these not have been brought up to the same weight, on one-third less of corn, if that had been ground and cooked, as shewn by a conclusive experiment, given in page 320, of our 40th number? These are questions particularly worthy of atyard manure, consisting of corn stalks and husks, tention in these times when the farmer has diffistraw, hay, and leaves—and how is it best dis-culty, owing to the low price of every thing, in posed of by those who cannot use it fresh, and making "both ends meet," and when the aggregate account must be made up, not so much of heavy items, as of curtailments of expenditure, and of small savings here and there.

			•
	Nett weight,		Nett weight.
No. 1,	338 lbs	Amount bro	't
2,	264	forward,	40521bs
3,	245	No. 18,	214
4,	248	19,	220
5,	239	20,	212
6,	215	21,	212
7.	215	22,	212
8,	240	23,	208
9,	237	24,	209
10,	225	25,	208
11,	224	26,	201
12,	233	27,	203
13,	231	28,	198
14,	227	29,	199
15,	229	30.	194
16,	225	31,	190
17,	217	32,	248
,			
Amount carried		Total weigh	t, 7180 lbs

forward, 4052 Average weight of 32 hogs 224 2-3 lbs.

Hayfields, 23d December, 1824,

TO THE EDITOR OF THE AMERICAN FARMER.

TO KILL BLUE THISTLE.

Williamsburg, Dec. 19th, 1824. American Farmer, page 197, Mr. Richard B. for the purpose of improving our stock. Buckner asks how to destroy the blue thistle. I would advise cutting it with a scythe twice in the year. So soon as it is in bloom, and before the seed is ripe cut it down; in the autumn it will put out sprouts, which will also blossom; treat it as friend recommends from experience, to cut off the before; this should be done the year preceding stems with scissors. The advantages of this plan seed is ripe cut it down; in the autumn it will put the crop of corn; the fallow for corn or other are-first, that the plant is picked free from earth; the greater part of the practitioners on the Disgrain, will turn up the seed that have been buried and secondly, that it will sprout again, and expetoo deep for vegetation; those will vegetate in dite the collection of them. the spring; the culture of the corn will destroy those to a very great extent; the sowing of wheat after the corn, will cause many more to spring up, those may be easily taken out with an instrument like a carpenter's chisel, about two inches wide, a little curved and ground sharp, with a handle about three and an half or four feet long; with this instrument a hand can clean a stout piece of ripen almost every day for some new institution. man of superior abilities has been appointed Proground in a day; he should walk in the water. We are not aware that any attempt has been fessor; and other officers requisite to give due furrow, and clean to the centre of the rows on the made to establish a Veterinary College, but pro- effect to the Establishment have been fixed at right and left; this is done in the early part of jects have been started and some have been exeJune: females should not go in the field at this cuted for founding Agricultural Schools, with season. He who will try this experiment, in the which the veterinary science is essentially conwhich the veterinary science is essentially conThe grand shiert of the form of the limit to the strictest rules of economy.

The grand shiert of the rows of the limit to the strict to the destruction has been. way above stated, will see that the thistle will nected. We should suppose that in our largest be destroyed; for although it has a strong tap cities, a separate college might now be instituted and is, to form a school of Veterinary Science, in root and is perennial, yet if the root is cut one and supported, on a plan somewhat similar to the which the anatomical structure of Quadrupeds and an half or two inches below the surface, it one in London. At all events the time for it may of all kinds Horses Cattle Sheen Dogs &c. the

Yours, very respectfully, A SUBSCRIBER.

cutting the thistle two or three times in the year, at the season mentioned, to be succeeded by a deep fallow in the autumn, will so far destroy it, as to enable one to get rid of it in a short time by the mode herein pointed out. He states that his crop of clover was much injured by the thistle, and he was surprised and pleased to find that King himself—a President—nine Vice-Presidents. and he was surprised and pleased to find that King himself—a President—nine Vice-Presidents most eminent characters of the Faculty to supafter the cutting in the spring and late in the sum—a Committee of twenty-six Governors—two port and protect this Establishment) the peculiar after the cutting in the spring and late in the sum—a Committee of twenty-six Governors—two mer, there was in the next crop comparatively Professors—nine hundred and fifty subscribers but few thistles.

seed, would be thankfully received.

A SUBSCRIBER

Note by the Editor .- We have no doubt of the efficacy of the mode suggested, and would here add, that we were once told by Mr. Jas. Wilson, a ciple of it.

address our unknown subscriber?]

VALUABLE IMPORTATION-OF NORTH

DEVON CATTLE. These Cattle were purchased by Mr. John The great publick Institutions of Great Britain Atherstone, at Mr. Childes' annual public sale, of have been reared for the most part on the munifi-Thompson, Esq., and consist of-

Garrick, a year old bull, out of Fillpail, by

Flora, eighteen months old, out of Stately, by Prize

Another Heifer was shipped, but she died at | lent purposes-We have precious few Oliver's and

The bull and heifer, we understand are very beautiful, and were much admired at Liverpool. Dear Sir,-I see in the second volume of the They are likely to remain in this neighbourhood

CORO () CORO MUSROOMS.

Publick Institutions.

VETERINARY COLLEGE OF LONDON.

and an half or two inches below the surface, it will not put up sprouts, and must die of course.—

If you think this information will be of any use to the public, you are at liberty to publish it.

Yours, very respectfully.

One in London. At all events the time for it may of all kinds, Horses, Cattle, Sheep, Dogs, &c. the Diseases to which they are subject, and the retherefore embrace the opportunity which now medies proper to be applied, might be investigated, and regularly taught, in order that, by this A SUBSCRIBER.

P. S. Since writing the above, one of my neighbours informs me, that he has been satisfied, that doing this we are indebted to Mr. John Haslam, gradually dispersed over the Kingdom, on whose third two or three times in the year. of whom one hundred and fifteen are life subscri-TA few Persian muskmellon and Guinea grass bers, having paid twenty guineas each, making two thousand three hundred guineas—leaving eight hundred and thirty-five annual contributors, whose subscriptions amount to sixteen hundred and seventy guineas.-Besides these, there are may arise respecting the sufficient qualifications add, that we were once told by Mr. Jas. Wilson, a fact which we have forgotten, if we have before mentioned, that dock weed is effectually destroy-parts of the United Kingdom, or abroad, and late the whose Names are annexed to this List, from ed by cutting it off a little below the surface of pupils of the College"—and a "MEDICAL Exthe ground, so that the frost may get into the AMINING COMMITTEE," composed of the followthe ground, so that the frost may get into the Amining Committee," composed of the follow- are found to have acquired a sufficient knowledge in the various branches of the Veterinary Sciciple of it.

As to the seed required, we have none at sent, but will register the want of them; and when we have them to distribute, how shall we address our unknown subscriber? B. C. Brodie, Esq., Charles Bell, Esq.—Professor Cline, President of this Committee, is the author of that able and valuable essay published in the American Farmer on the form of Animals.

The great publick Institutions of Great Britain

Baltimore on Sunday last, in the ship Franklin, it is equally true, that those who possess it, pos Capt Graham, from Liverpool, consigned to H. sess with it, great publick spirit. In this country enough comparatively rich, who ought to contri as are necessary be furnished and compounded at bute more freely to publick Institutions which the College. Horses are likewise shod at the might be founded for publick utility and benevo-College Forge at the ordinary prices.

Van Rensellaer's amongst us.]-Ed. Am. Far.

TO THE PUBLIC.

The Institution of the Veterinary College not appearing to be so generally known, as an Establishment of such public utility, of such national importance, is thought to merit, the Governors conceive that a short statement of its views and objects may be acceptable to those who are still unacquainted with it.

The extreme ignorance and incompetency of eases of Horses, called Farriers, had been long and universally complained of. To remedy this, and meet the evil in the most effectual manner, several gentlemen formed themselves into a Society for the Improvement of the Veterinary Art. A large piece of ground was provided, and a range of Stables, a Forge, a Theatre for Dissection and [So rapidly do the resources of our country aug-ment and develope themselves, that we seem to at a considerable expense. A medical gentle-

The grand object of the institution has been, they may be found to suit, for precedent, the plan means, enlightened practitioners of liberal eduadvantage of free admission to their Medical and Anatomical Lectures. Of these Pupils many are at this time established in various parts of the country, practising with great credit and advantage to themselves, and benefit to their respective neighbourhoods. In order, however, that no doubt whom they receive a proper Certificate, if they

now practising in different parts of the Kingdom, are annexed.

Subscribers to the Establishment have the privilege of sending to the College their Horses, &c. which have occasion for medical treatment of any kind, without further expense than that of their North Devon Cattle and New Leicester Sheep, cent liberality which characterises the men of daily food; and these, in general, form a suffi-on the 27th September last, at Bewdley, and se wealth in that country. If the wealth of that cient number of patients for the practice of the on the 27th September last, at Bewdley, and selected as the best of his Stock. They arrived at nation be accumulated in comparatively few hands, Professor and his Pupils. The Professor, or Assistant, prescribes for Horses, &c. belonging to Subscribers who find it inconvenient to spare them we have very few citizens who would be consid-for admission into the Infirmary, or in cases that ered wealthy men in England; still there are do not require it, provided that such Medicines

not be supported but by a large annual expense; pense, have the animal treated according to known and is termed its Pyloric Orifice: this extremity, and though the patronage of Subscribers is contrules of practice, or whether he will give him up when the stomach is distended, is the most possiderable, and though Parliament, fully convinced to the College, paying the expenses up to the of the propriety of the Institution, and of the time of such giving up :- The animal then begreat national benefits to be derived from it, has comes a subject of experiment and bolder pracmunificently granted aid to the Establishment, tice, which if successful and the animal be restoryet, in order to carry the objects of the Institu-ed to health, will still leave the proprietor the tion into full effect, and speedily to distribute sci- option of reclaiming him, on paying at the usual diac most so; but when the stomach is much disentific Veterinary Practitioners into every part of rate for his keep, from the time of his having tended, the left extremity will press upon the the Kingdom, great and unremitting efforts must given him up to that of his reclaiming him. and it is hoped will be made, by every man who sets a value upon his Horse or his Dog, whether well as domestic importance; - and finally, by neral meeting. those who, from patriotic motives, are zealous to promote the welfare and prosperity of their coun-

In a political point of view, this Institution is of great importance with respect to the Army (which must be sufficiently manifest to every pertofore very heavy, owing to the total ignorance of practice. those who, previous to the appointment of Veterinary Surgeons, had the medical care of them; and that this Establishment has afforded essential improvement to that part of the Military Service, and thereby ultimately must be, and has been the means of considerable saving to the pub lic; this Report his Majesty has been graciously plased to approve.

RULES AND REGULATIONS.

is a member of the Society for life.

or Westminster, is a member of the Society for usual charges of private practitioners. one year, and is equally entitled to all benefits of the Institution, whilst he continues such.

December, for a year from the twenty-ninth of catalogue of prices, viz:-September.

None but Horses, or Animals the property of Purging Balls subscribers, can be admitted into the Infirmary, Alterative ditto and should any patient procure admittance con trary to this regulation, either by the misrepre- Diurctic ditto scattation of the servant bringing it, or the mis-take of the servant of the College who receives it, and the owner, on application being made to

Tonic ditto him, shall neglect to entitle himself to the privi- Febrifuge ditto leges of a subscriber, by sending a cheque for his Blistering Ointment. annual subscription, there shall then be charged Astringent Powder for Thrushes for medicines and attendance over and above the Ditto for Grease daily charge for keep, in no case less than two Discutient Lotion guineas, and more, if more shall really have been expended, in the treatment of such patient.

A receipt is directed to be given to every groom bringing a Horse, on his admission, and upon it a note of the regulations in no case to be departed considering the bulk of the animal, and in form

This Institution, so extensive in its views, can-case may chuse whether he will, at his own ex-¡Orifice: while the former ends in the duodenum,

Every gentleman having subject of complaint, either on the medical or stable treatment of his from the pleasure or advantage he receives from Horse, or misconduct in the Forge, or of any serhim, or from his value considered in a pecuniary vants of the College, is requested to communicate light:—by those who look upon Cattle of all denominations as objects of great commercial, as man of the Stable Committee, or of the next gear bullock is blown or hoven; but such an idea of

> No servant of the College is allowed to receive vails, and it is earnestly requested that subscriing to immediate dismission.

Note .- Though the cure of the Diseases incison acquainted with the former state of the prac-dent to Horses has always been the primary obtice of Farriery in the Cavalry); and so fully was ject of the Institution, it is nevertheless the wish the utility of it estimated, that a Board of Gene- of the Directors to extend its benefits to every deral Officers having been appointed to take the Inscription of Animals of the Brute Creation; and the cardia, or that extremity in which the gullet stitution into consideration, reported, that the progress of their views, in this respect, has terminates. The inner covering of the stomach loss of Horses accruing to the Cavalry was here-been retarded solely by the want of subjects for consists of two portions, a cuticular and a villous.

PRIVILEGES OF SUBSCRIBERS.

of three shillings per night only, including keep, may be necessary; likewise of bringing his horses to the College for the advice of the Professor, Every subscriber of the sum of twenty guineas ment of them at home; and in cases of accidents, therefore devours his food greedily, and if there a member of the Society for life. Every subscriber of two guineas annually, to be being removed, the Professor, or his Assistant, mon to stomachs in general, it would not be suffipaid by a cheque drawn upon some Banker, or will attend the horses of subscribers at their own ciently digested. The insensibility of this cutimercantile house of fixed residence in London, stables, within London and Westminster, at the cular coat may allow it to press in some degree

A subscriber, though resident in the country, has the privilege of having medicines prepared at sensible coat covering nearly one half of the N. B. Subscriptions paid between the first day of January and the last day of June, are calculated for a year from the twenty-fifth of March; large stable establishment, soon save the amount little effect on this animal: among these are suand those between the first of July and the end of of subscription; as may appear by the following gar of lead, emetic tartar, white and blue vitriol,

> 08 Vermifuge ditto 0 6 pr oz. 0 9 pr qt.

DISEASES OF DOMESTIC ANIMALS AND THEIR CURE.

Stomach .- The horse's stomach is very small the animal, he is directed immediately to notify small: the superior surface of the latter receives which is the case by the pulp into which it is such his opinion to the Proprietor, who in that the asophagus or gullet, and is termed its Cardiac formed by the moist mastication. Biaine's Out-

varies in some degree with its distention: when moderately filled, it lies in an oblique transverse direction, with its great extremity a little forwards, and its two orifices superior, but the cardiaphragm, and the right will be carried more posteriorly. In oxen and sheep, where the first stomach is very large, it is found, when distended, to have its left extremity carried quite up into the horse's stomach would be very erroneous; for this animal has a very small one, and therefore its situation can never be such. The stomach has bers will abstain from offering any, as conviction externally a covering from the peritoneum, which of the receipt would subject the servant so offend- adheres closely to it by means of its cellular membrane: its middle portion consists of muscular fibres, which are stronger in the horse, than in oxen and sheep. These fibres run in various directions, but are principally longitudinal and cir-cular; the latter are very thick and strong around This kind of cuticular covering to nearly one half of the stomach is peculiar to such animals as appear destined to live on grain, as horses, A subscriber has the privilege of having his asses, rats, and mice. It may be considered in horses admitted into the Infirmary, to be treated a slight degree as a species of gizzard, resembling under all circumstances of disease, at the price the structure of those animals who have organs to make up for the want of teeth. For a horse medicines, or operations of whatever nature that has not the means of re-mastication which oxen and sheep possess; nor does he usually masticate his food sufficiently; the wants of the constitugratis, in cases where he may prefer the treat-tion stimulate him to swallow it hastily; he on the food, and perform a slight trituration upon it. It is in consequence of this cuticular and inverdigris, arsenic, &c: and it is to the same s. d. cause, perhaps, we may attribute his being inca-pable of vomiting. The cuticular coat ends abruptly by a fringed end, and is very distinct from the villous coat. The villous coat being much larger in extent than the muscular, is thrown into folds, which are more considerable than those of the cuticular coat, and are largest towards the great extremity; towards the duodenum they become less, and when at the pylorus they form a fold that makes a kind of valve to this part of the stomach, preventing a return of the food, and its too speedy passage out. The folds not only hinder the too hasty passage of the food, but, by this means, apply the gastric jnice more certainly to all the parts: but the principal end is to increase the secreting surface, which is here essentially necessary, as only one half of the horse's stomach has the power of secreting gastric from, that the Horse will not be delivered to the somewhat like a bagpipe. It is situated behind juice. We here likewise see the utility of the owner, or any person sent by him, till the amount of his keep up to the day of delivery be paid. In cases thought desperate by the Professor, or the right. It has two surfaces, which may be mucus, would not pervade all its parts, but it requiring a time to cure, which, in his opinion, called its sides, though one is posterior and the would be lust upon some, nor would the mass be would incur costs of keep exceeding the value of other anterior; and two extremities, a large and soft enough to be spread in between the folds;

and fourth stomach; in the latter the digestive process is principally performed.

Stomach, In lammation of .- The stomach sometimes becomes inflamed, in consequence of poisons or improper medicines being given, and Rouge, to New Orleans. This route is estimated and Knoxville, affords great facilities for the contimes becomes inflamed, in consequence of poisometimes, but rarely, from the irritation of both. to be 1,380 miles, and requires a travel of 24 days, struction of a mail road. Through Virginia and As in all other internal inflammations, bleeding is here the essential remedy. If the inflammation arise from the improper use of medicine, is on nearly a direct line from the former to New- of Alabama and Mississippi, it is believed, from oily and mucilaginous liquids will serve to dilute Orleans, and much nearer than the road by the information which has been obtained, that in no it, and sheath the sensible parts from their action. If corrosive sublimate be the cause, a solution of soap perhaps will be useful, as it will render the regular transportation of the mail upon this part of the route, the general face of the coundecompose any of the medicine which may remain; in short the only thing that can be done, have fallen into decay, and, in many parts, the mation of a solid road. Some information has besides bleeding, is to drench the horse with in-entire space, opened for the road, has become been communicated to this department on this fusion of linseed. Fortunately inflammation of filled with young growths of timber. the stomach is a disease that does not often occur in horses, except from the improper use of strong department, to transport the mail to New-Or- were made, in this direction, to New-Orleans, the medicines, and then the remedies above-mention-leans, from this city, by Salisbury, in North-Caro-mail could be transported to that place, from this city, by Salisbury, in North-Caro-mail could be transported to that place, from this ed, if scasonably given, will generally be found lina; Spartanburg, in South-Carolina; Athens and city, in eleven days. If the road were to pass effectual. No hay should be allowed for se-Fort Hawkins, in Georgia; and Fort Stoddart, in through the capitals of Virginia, North-Carolina, veral days after the horse's recovery. It is as Alabama, the distance being computed at 1,269 South Carolina and Georgia, it could be conveyed serted in Boardman's Dictionary, that "hellemiles. But there were so many obstructions on in less than twelve days.

bore in the dose of half a dram will bring on this route, arising from streams of water, and "The route on the mail is now transportsickness and efforts to vomit." It may be seen other causes, that it was found impracticable to ed to New-Orleans, although more circuitous in vol. iii. p. 67, experiment 11, that half an perform the contract, and it was abandoned. onnee was given twice a day without any violent effect. In the same dictionary it is stated, that "four onnees of emetic tartar have been given without exciting nausea, and eight ounces of sugar of lead without any perceptible effect."

"Opium." the same writer observes, "has no particular power on the horse (this I deny;) ounces have been given, and have eaused pain and inflammation in the stomach; but it has no apparent influence over the nervous system, through the capitals of the southern states, is es. no apparent influence over the nervous system, through the capitals of the southern states, is estable to the mail, on this route, as on all others in the nor does it alleviate pain. Tobacco in every timated at 1,312 miles. This distance might be same parts of the country, is sometimes entirely obstructed by high waters; and, when this is not three nearly parts of the country, is sometimes entirely obstructed by high waters; and, when this is not three nearly parts of the country, is sometimes entirely obstructed by high waters; and, when this is not three pounds has been given without effect." in the dose of one dram, has a very beneficial effect upon the nervous system of the horse; how else can it cure locked jaw and the spasmodic or flatulent colic?

Oxen and sheep are liable to distention of the first stomach or paunch from feeding greedily when first put into a rich pasture of clover; they are then said to be blown or hoven, and require

immediate assistance.

Horses often injure themselves by feeding greedily; in such cases the corn is very imperfectly masticated, and eonsequently difficult of digestion. I have known three instances of the stomach having been ruptured by eating a large quantity of oats. The most acute and painful, and, at the same time, a dangerous kind of colic, to New-Orleans. is often produced by the same cause. This not unfrequently happens to post and coach horses, which are often driven hard upon a full stomach.

Internal Improvements.

REPORT

most practicable post route from New-Orleans to Washington City. .

Post Office Department, 15th Dec. 1824.

Sir:—In obedience to a resolution of the senate of the United States, adopted at their last session, thence, to New-Orleans; and is believed to be permanent and perpetual fund for Education and

mach; it is taken into the first and second storoute, on which the mail has been transported, the south, so as to avoid the principal mountains, mach very little chewed: from this it is returned for several years past, from this city to New-Or would pass near Salem, in North Carolina, Green to the mouth to be more completely masticated, leans, is by the way of Fredericksburg and Abing-ville, in South Carolina, and Athens, in Georgia. and when swallowed again passes into the third don, in Virginia; Knoxville and McMinville, in This route would not vary, at any one point, more Washington, Natchez and Woodville, in Missis-the above places, more than seven miles.

bus, in Mississippi, to Madisonville, in Louisiana, formation of a turnpike; and through the states way of Washington and Natchez. But this road part of the union, can an artificial road, of the is represented to be so much out of repair, as to same length, be constructed at less expense. On

from a direct line were made, than would be ne- the case, it is frequently much injured by the mail have known an instance of a horse having been cessary to obtain good ground for a road, and to horses, swimming creeks and through swamps of killed by taking a dose of tobacco infused in beer; pass through Richmond, Raleigh, Columbia and considerable extent. The friction from the moveand I have no hesitation in asserting, that opium, Milledgeville; and thence, by Coweta and St. ment of the mail horses, is certain to destroy all Stephens, to New-Orleans. A part of the Alalam ewspapers that become wet, and not, unfrequent-bama and Mississippi mail, and the mail from the south to New-Orleans, is transported on this is a considerable time immersed in water, as has the year, the numerous streams of water over to secure it perfectly from injury. which there are neither bridges nor ferries, present insurmountable obstacles to the regular and two dollars and seventy six cents a mile for the rapid transmission of the mail on this route.

On a direct line from Washington to New-Orleans, the distance is 960 miles. This line passes it could be conveyed in a stage as often, and i near Warrenton, Charlottvsille, Lexington, Big less than half the time, at the same expense. Lick, Grayson, Court House, in Virginia; Ashdian country, by Cahawba and St. Stephens, in Such a transportation, and a very considerable in-Alabama, to Pearlton, near lake Borgne; thence, crease to the receipts of the department.

The northwestern part of N. Carolina; through dient servant, which this line passes, is so mountainous to render a deviation to the south or north, in constructing a road, indispensable. A deviation to the north so as to avoid the mountains, will pass by, or near, Petheringay, Wythe, Court-House, Christianburg and Abingdon, in Virginia; Knoxville in Ten-few propositions presented to the consideration of Of the Postmaster General, on the subject of the nessee; thence, through the Tennessee valley, by Cahawba, to N. Orleans, on nearly a straight braced in the resolutions submitted by Mr. John-

lines of the veterinary art. Animals that rumi-cable post route from New-Orleans to Washing-tion, so as to pass by Knoxville, would not increase nate or chew the cud have generally four sto-ton city," I have the honour to state, that the the distance more than six miles. A deviation to Tennessee; Huntsville, Rushville and Pikeville, than 60 miles from a direct line, and would not in Alabama; Columbus, Jackson, Fort Gibson, increase the distance, by a line passing through

> The route by the way of Warrenton, Abingdon The military road, as it is called, from Colum-Tennessee, the materials are abundant for the subject, but it does not come strictly within the Some years since, a contract was made, by this scope of the resolution. If a substantial road

> > than some others, in the present condition of the

route. But in the winter and spring seasons of often been the case on this route, it is impossible

The department now pays at the rate of fiftytransportation of the mail, three trips in each week, to New-Orleans. On a good turnpike road, it could be conveyed in a stage as often, and in And what is a most important consideration, the ville, in North-Carolina; thence, through the In- ut nost security would be given to the mail by

I have the honour to be, respectfully, your obeent servant, JOHN M'LEAN.

Hon. John Gaillard.

-0-

EDUCATION AND INTERNAL IMPROVEMENT. There have been, within our recollection, very

Congress, so pregnant with interest as those emdirection. This route is estimated at 1,056 miles, ston, of Louisiana, in the Senate. These resolurequiring the postmaster general to report to the the nearest direction practicable for a post road Internal Improvement; 2d, That the proceeds of "senate, at the present session, the most practi- from Washington to New-Orleans. The varia- the sales of the public lands, after defraying the

incidental expenses, be annually invested, by the Secretary of the Treasury, in the stock of the Bank of the United States, or in the stock of the Government, or other stock, as Congress may direct, together with the interest annually accruing thereon; 3d, That the year following the return of the next census, and immediately after the apportionment of Representatives, and every tenth year thereafter, the proceeds of the interest arising on the said capital stock shall be distributed among the several States according to the ratio of representation; onc-half of which sum shall constitute a fund for education, and the other half shall constitute a fund for internal improvement, to be applied to these objects under the authority of the respective States. It would be premature in us to express any decided opinion at this time, on questions so fresh, and of so much weight and magnitude; but we may remark without presumption, that it appears to us, if the general government ever undertake to exercise to any extent, the important duties of fostering Education

SOUTH-CAROLINA.

The Senate of South-Carolina by a vote of 30 to 13 have adopted the following resolutions. - in the presence of two respectable landholders, These principles are in direct opposition to those who shall attest the certificate of survey: the price for my wool, it will become a matter of lit-maintained by some of the most eminent States land shall in like manner be surveyed when the maintained by some of the most eminent States-land shall in like manner be surveyed when the men of our country, from Carolina, in the National crops are gathered. Councils.

ly implied therein.

a power granted for particular objects, to effect other objects, the right to effect which has never been conceded.

Resolved, That it is an unconstitutional exercise of power on the part of Congress to lay duties to protect domestic manufactures.

Resolved, That it is an unconstitutional exercise of power, on the part of Congress, to tax the first of April, and the wheat subscription by the

RARITAN AND DELAWARE CANAL.

Notwithstanding the council postponed the bill for uniting the Delaware and Raritan, we learn that another bill was passed in the lower house, and will ultimately become a law, authorising a company to complete the canal; giving them all D. Jennifer, the necessary privileges for 100 years, for which Robt. G. Harper, they pay a bonus of \$100,000. If the canal is R. Smith, completed, it will, in ten years, pay a toll of one Nich. M. Bosley hundred thousand dollars annually, though only John Spear Smith, twenty-two miles in length, but it is a great link John Mercer, which connects the commercial cities north and Robt. Oliver

One of the Professors at West Point, has calculated that the annual diminution of expense in transportation between the Lakes and the Ocean, Agricultural Correspondence. consequent to the construction of our Canals, amounts to the saving of the value of 272,400 days work of men, with 2,088,400 days work of horses.

Sports of the Plough.

[The following subscription paper was got up, Farmer, although invited by a correspondent, and signed as far as it goes, at the late Cattle Mr. Birnie. I have about 3,000 lbs. on hand, and this office. Show. It is hoped and expected, that a great I much question if there be a parcel of finer wool.

handed over to the Treasurer of the Maryland on for such a parcel if now sent round?

Agricultural Society; or, if convenient, pay the lise you are drawing the attention of the pubmoney directly to him. This is a lottery in list to a very important matter in relation to Sheep, tute ample remuneration with liberal minds.] Ed. Am. Farm.

of the Maryland Agricultural Society, annually, counties, where wild animals made many dogs ne-for three successive years, the sum annexed to our names, for the purpose of raising a fund, to be hourhood differently situated. But all would not given to the successful competitor, who shall bourhoods differently situated. But all would not make the heaviest crop of Corn in the year 1825, do. A law could not be had on any terms. and promoting Internal Improvements, it must be 1826, or 1827; or the heaviest crop of Wheat in Whether the late increase of Sheep, and particuby some such means as are suggested by Mr. the year 1826, 1827, or 1828, on five contiguous larly the Merinos, have made any material change acres of land. The premiums to be awarded land would set us the example. I should have upon the following conditions:-

1st. The land on which the crops are to be more hope. grown, shall first be laid off by a sworn Surveyor,

2d. The produce of the land on which the crops Resolved, That Congress does not possess the are made, shall be ascertained by the actual meapower, under the constitution, to adopt a general system of internal improvement as a national measure.

[The best use we can make of the above is to publish it—There is no market more uncertain attest the same; and at least one bushel of said that for wool—Nothing we believe in which the former is more lighted to imposition. The property of the same is not in the former is more lighted to imposition. the specific grants of power, and those necessari-the Trustees of the Maryland Agricultural Sociey, to award the premium; taking into considera-Resolved, That Congress ought not to exercise tion, the weight, quantity, and quality of the grain.

3d. The subscription for either premium to be not less than five dollars, and all monies subscrisuccessful competitors for the corn premium: one.]-Ed. Am. Far. and all subscribed under the wheat head, to the successful competitor for the wheat premium.

4th. The corn subscription to be paid in by the citizens of one state, to make roads and canals for first of October in each year. No person enti-the benefit of the citizens of another state.

Will you do me the favour to enquire, through the benefit of the citizens of another state. have been paid as above.

The manure to be applied to the land must be raised on the farm where the crop is made.

Competitors for Wheat. Competitors for Corn. Richard Caton, Richard Caton, \$5 Allen Thomas, Allen Thomas, R. G. Harper, Robt. Smith, James L. Smith, Richard Dorsey, 5 Nich. M. Bosley. John Mercer, Robt. Oliver, Caleb Dorsey Charles W. Dorsey, Charles W. Dorsey,

BEST MARKET?

Extract to the Editor-Burgundy, near Alexandria, D. C. 19th Dec. 1824.

"You say not a word about wool in your last

number more of competitors will enter the in the United States. I began thirteen or fourlists, so as to raise the purse to, perhaps, \$500 tecn years ago with full bloods, and have been in each case. Any person desiring to contend carefully crossing my whole flocks ever since,for so handsome a prize, can inclose the money Is there really no market with you for this arti-to J. S. Skinner, Postmaster, of Baltimore, to be cle? And if there be, what might be calculated

which prudence and patriotism may both ad-the dangers to be apprehended from dogs. I wish venture—The amount is small, and the gain, some plan that would succeed could be suggested, in the increase of crop, and in improved experience, will requite the purchaser, even though gislature, and then suggested the idea (in order he lose the stake; besides, the satisfaction of to get over the scruples of the Western people promoting useful contests, will of itself consti-tute ample remuneration with liberal minds.] the county courts, whenever it might be deemed proper, to impose taxes on dogs for county or pa-The subscribers agree to pay to the Treasurer rish purposes. I insisted that in the Western the Maryland Agricultural Society, annually, counties, where wild animals made many dogs neland would set us the example, I should have

I have a very fine flock of Merinos, and I live in constant dread of dogs. But if I am to get no out a market for my present stock, it will enhance the obligations which I have already to acknowledge for your agricultural services."

The best use we can make of the above is to Resolved, That a right to impose and collect crop shall be exhibited at the Cattle Show, on the the farmer is more liable to imposition-yet we taxes does not authorise Congress to lay a tax for Western Shore of Maryland, and there weighed hear of no co-operation or combination to proany other purposes, than such as are embraced in in the presence of the Committee, appointed by the specific grants of power, and those necessarithe Trustees of the Maryland Agricultural Societies on dogs, we hardly expect that, whilst a love of popularity prevails over the sense of publick good .- The letter from Mr. Hartshorn, in the Farmer before the last, is the best answer we can give to a good portion of the preceding: we rebed under the corn head, to be awarded to the gret that we cannot make a still more satisfactory

> Georgia, Dec. 10th, 1824. ICE HOUSES.

Will you do me the favour to enquire, through experimental knowledge of the utility of lining the wall of ice-houses with rock without lime instead of logs; and which of the two answers the best purpose?

[We believe either would answer very well.] [Ed. Am. Far.

PUBLISHED IN THE AMERICAN FARMER, BY OR-

DER OF THE STATE. A report of the tobacco inspected at and

delivered from Magruder's Inspection Warehouse during the quarter, commencing on the 5th day of July, and ending on the fourth day of Oct. in the year eighteen hundred and twenty-four.

	Domestic growth.	Growth nat of this state.	Re-in- spected,	Total.
ber in-	249		12	261
ber de- ered.	288			28 8

JOSEPH NAYLOR, Inspector. TREASURY OFFICE, ANNAPOLIS, Dec. 14, 1824. True Copy from the original report on file in

B. HARWOOD, Tr. W. S. Md.

Rural Sports.

GREAT TROTTING FEAT.

Mr. Van Buren was trotted before a wagon, without collar or traces, six miles in twenty-eight minutes. The time allowed was 34 minutes, and the performance was done on the Jamaica turnpike, from the 12th to the 6th mile stone; and municating to the public a remedy for the cure flected on the subject, will suggest through the the horse came in without fatigue, although the whole of the tire came off from one of the wheels. [N. Y. paper.

A GREAT DAY'S HUNT, monly large panther having him by the throat.—

Mr Mitchell immediately levelled his rifte and I saw. Since this application I have frequently shot the panther through the heart. The beast heen asked by my neighbours, where I got such let go his hold of the buck and made several leaps in sheep from. This remedy was taken from dogs, and to promote the growth of sheep? towards Mr. Mitchell and fell lifeless.

the panther which he had shot to be dead, and that I have continued to make use of this applica- collected AND ACCURATELY STATED BY THE cast his eyes towards the wounded buck, which tion with the same success, and that when train astonishment, he observed another large female as is used for plantation leather will answer. panther having hold of the buck by the neck, on the opposite side from Mr. Mitchell. He levelled his gun at the head of the animal, and the ball entered her right eye. An awful silence prevailed for some minutes, when the pauther surrendered her claims to the buck, considering it a

unceremonious, went in pursuit of him, and over clothes,) but not so as to break the seeds. hauled him about a mile from the scene of action with the panthers and shot him. It was by this

Extract of a letter, dated Tioga, Bradford County, Penn. Dec. 18.

of getting the ground 11 deer—seven of which were bucks, of a very good size. Mr. in the manner desired.

Harris shot seven and Mr. Field four. They had of which were bucks, of a very good size. Mr. in the manner desired. Harris shot seven and Mr. Field four. They had

Recipes.

Remedy for a Cough in the Horse,-Mix the On Saturday last, for a bet of \$100, a horse of comb of the hornet's nest with their feed-this we are assured rarely fails to effect a cure.

From the Virginia Argus.

Mr. Pleasants,-I have long thought of comof the rot and scah in sheep, which I have made American Farmer, such measures as they may use of with very great success. In the year 1806, think would conduce to the interests of my flock was so very indifferent, that from ninety holders, if enacted by the Legislature of Marysheep I sheared only 130 weight of wool, so sor-land.—A most respectable committee has been ry as to be barely fit to make clothing for young raised on this subject, whereof Arthur Lee, Esq. negroes. Immediately after shearing, I made is Chairman, and every confidence may be felt Mr. Mitchell, the representative elect from this congressional district, for the sake of recreation, set out on a hunting excursion on the 8th instant. On the north side of the Bellefonte and Phillipsburg turnpike road, about 25 miles from this place, he routed a large buck, which he fired at and wounded in the shoulder. The buck ran off, and he pursued for some distance, when he represeived the animal about 40 vards about perceived the animal about 40 yards ahead of him, sheep, I sheared 360 pounds of very good wool, better understood, and more effectual. lying on the ground upon his back, and an uncom- and instead of 20 to 25 sorry lambs, commonly wards Mr. Mitchell and fell lifeless. an old eastern paper, which I am sorry to say I Mr. Mitchell then charged his gun, believing have lost or mislaid. It may be necessary to add, remained in the same position, when to his great oil is difficult to be had, any kind of grease, such

I am, Sir, your obedient servant, J. NELSON.

Mecklenburg, 15th June, 1808.

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vain attempt to contend with so powerful an antago- gooseberries, fully grown, but not soft or sweet., 8 cts .- Live cattle, \$4 50 per cwt .- Apple Branni-t as a congressman, and was about to retire in a To every pound of berries, topped and tailed, dy, 25 cts—Clover seed, white, per lb. 37½ cts.—modes: and respectful manner before her superior, and then bruised, put a quart of cold spring wa-Red, do. per bushel, \$4—Saplin, do. \$5.75 but Mr. Mitchell thought proper to detain her for ter. Let it stand three days, stirring it twice a Timothy, \$2.50—Orchard grass, \$2.50—Herds further examination, which he did by shooting day, and then strain it through a sieve to separate grass, \$2.40—Herds further examination, which he did by shooting day, and then strain it through a sieve to separate grass, \$2.40—Herings, No. 1, \$2.400. 2, \$1.75—her through the body several times.

In the interim the buck thought proper to absent, his single strain it through a sieve to separate grass, \$2.40—Herings, No. 1, \$2.400. 2, \$1.75—through the body several times.

In the interim the buck thought proper to absent, his single strain it through a sieve to separate grass, \$2.400—Herings, No. 1, \$2.400—Heri Mitchell and the panthers to settle the right of six months, if the sweetness be gone, bottle it full blooded, 35 to 40-3 do. 30 to 35-1 do. 25 to ownership to his carcase at their leisure, feeling off; employ corks of the best quality, and let 28—Common, 20 to 25—25 per cent more when himself altogether disinterested in the matter.— them be secured with binding wire. The berries well washed on the sheep, and free from tags— Mr. Mitchell, however, having despatched the may be bruised with a wooden mallet, or with a Turpentine, \$2 to 2 25-Coal, pit, foreign, 40 cts. panthers, considering the buck's departure rather common smoothing iron (made use of in ironing -Virginia pit, 20 to 25 cts, -Susquehanna do.

Caution to Farmers-death of Cattle. - From been effected for the last ten days. time beginning to grow late in the evening, and Thursday the 12th to the 19th inst, three milch Mr. Mitchell thought it most adviseable to retire cows, two heifers, and two pigs have died upon from the sporting scene to his lodging. On his the same farm, the properties of Wm. Donaldway thither he shot another very large buck, son and John Wier, both of Killycarren. These which terminated that day's hunt.

Without incumbrance, who perfectly underwhich terminated that day's hunt.

Without incumbrance, who perfectly underwhich terminated that day's hunt. Mr Mitchell, during his hunting excursion, occasioned by allowing flax water to run over engage himself to a respectable farmer or genwhich lasted four days, killed four bucks and two large panthers.—[Bellefonte Patriot, Dec. 17.

propagated. Two dogs, the properties of the above mentioned have since died, by being allowabove mentioned have since died, by being allow-ter post paid,) ed to eat of the deceased cattle.

them from the influence of cold air.

THE FARMER.

BALTIMORE, FRIDAY, JANUARY 7, 1825.

What can the Legislature do for the Agriculture of the State?

A real service may be done to the farming interest of the State, if gentlemen who have re-

What can be done to arrest the inculculable

0 PRICES OF COUNTRY PRODUCE,

Editor of the American Farmer. Wharf flour, \$4 25 to \$4 37\frac{1}{2}\to Wheat, red, 80 to 90 cts.\to ditto white, 90 to 100 cts.\to Corn, white, 20 to 30 cts.—do. yellow, 33 cts.—Oats, 21 cts.—Rye, 37½ cts.—Barley, 45 to 50 cts.—Whiskey, in hhds. 21 to 213-do. in bbls. 23, no charge for barrels-Pork, from the wagons in the mar-From a Limerick paper. ket, \$4 to \$5-Turkeys, 62½ cts. to \$1-Geese, To make English Champagne.—Take green 50 cts.—Beef, best pieces, 8-Mutton, best pieces, \$6 50 to 7-Lime, bushel, 30 to 33 cts.

TOBACCO continues very dull-and no sales have

An English Farmer,

CONTENTS OF THIS NUMBER.

ty, Penn. Dec. 13.

EXTRAORDINARY HUNTING.

Two young men, by the names of Harris and Field, went out a few days ago, for the purpose of getting venisma, and after being out about six bours they brought to the ground 11 decrease.

To make names grow upon fruit.—When fruit is about half ripe, cover the side exposed to the sun with strips or specks of wax, in any desired importation of North Devon cattle—Musrooms—Veterina representation of the Grape, by Timothy Matlack, Esq.—Easton Cattle Show reports concluded—Agricultural questies—A good pen of Hogs—To kill blue the step - A go no dogs, but were shot on a ridge, over which Chapped or sore lips may be healed by the fre-deer were accustomed to pass, and at very long quent application of honey-water, and protecting Report-Rural Sports-Recipes—Editorial remarks—Prices current-Advertisement, &c.

AGRICULTURE.

TREATISE ON SOILS AND MANURES-Correctives of ill-constituted Soils.

The last extracts under the above head, given in Number 40, treated of Gypsum, or Plaster of Paris as a manure-and of burnt clay .-What follows is highly worthy of a place in this journal, and of the attention of its readers-They will find condensed in short paragraphs, all which is of fractical utility, in relation to a variety of manures, of great value, though too generally, either not known, or too much neglected. A good farmer should have a receptacle for every species of offal, for all is convertible into manure. Not a bone nor a feather should be thrown away-economy is always and every where commendable; and wastefulness, is only less reprehensible than the avarice of the rich, which is of all things the most disgusting and detestable.]-Ed. Am. Far.

contain excrementitious substances incidentally, and but in a small proportion, will be included much vegetable matter, and may perhaps enable under this article.

stances, their constitution varies; but in all cases not been dispelled. they refresh and strengthen a soil. Scrapings of roads not clayey are beneficial without exception: those from high-roads are enriched in far the greater degree by the droppings of cattle .-The promiscuous dung which is gradually incorthe cultivator might expect from its knuwn composition: but the greatness of the benefit may be well accounted for, by considering that the gra- in different manufactories—such as furriers' clipvel, or slate, or stone, which is ground into earth pings, the shavings of the currier, and the offals by the passing of carriages along a road, is necessarily virgin-earth, having never been in a state

2. Soot is a very powerful manure; its great basis is charcoal, in a state of solubility by the of air and water. action of air and water. It contains also salt of ammonia, with a portion of oil. To mix soot with quicklime is a bad practice; because much boiled for grease, they are sold to the farmer .volatile alkali is thus disengaged, without any benefit to the land. This manure requires no preparation; and is well fitted to be used in a dry state, as a top dressing (a peck to four square their fertilizing powers; and in the state of power poles of land) thrown in with the seed. It is a der they might be used in the drill husbandry, and good improver of cow-dung and goose dung; either of which alone, and in a fresh state, are of little rupe cake. power. Further, its alkali tends to make oily

particles miscible with water.

3. Coal-Ashes.—It appears from an experiment of Mr. Wright, afterwards particularly adverted to, that coal-ashes on a plot where barley is to be grown has the same efficacy as hog-dung; while it is inferior to the dung of sheep, and by decomposable substances in bone are fat, gelasomething better than that of horses.

4. Coal-Water, or the liquor produced by the

distillation of coal, is said to be a good manure.
5. Wood Ashes consist principally of the vegetable alkali united to carbonic acid: and as this alkali is found in almost all plants, it may be an essential constituent in the organs of the greater part. The vegetable alkali has a strong attraction for water. See the comparative efficacy of wood-ashes with that of coal-ashes and the dungs of several kinds of cattle and domestic fowls, under X. 6. [In next Farmer.]

6. Carbonate of Ammonia.—The liquor pro-animals:—

Vol. 6.-43.

duced in the distillation of coal at the Gas Es-lof the tan-yard, and the glue-maker-form highly manure on the following accounts. First, it prin cipally contains carbonate of ammonia; secondly, with good effect. When the object is to destroy ded to one of the liquor.

carburetted hydrogen gas is beneficial as a ma- ed that a weak solution of such preparations, has nure, conveyed in proportionate heaps of earth the property of accelerating and enlarging the or marle. One gallon of this tar being mixed growth of vegetables. Gardeners whose grounds earthy materials, will form a compost of great do well in availing themselves of all the advanta-

crop may render expedient.

8. Bones consist of phosphate of lime and de- may also be used for alkalizing composts. composable animal matter. Bone powder, bone shavings, and bone ashes, are serviceable where IX. By Manuring with Refuse Substances not phosphate of lime is to be supplied to a soil.—excrementitious.—Heaps of refuse matter, which Bone ashes ground to powder will impart a reduced share of benefit to arable lands, containing soft peats to produce wheat; but powdered bone, 1. Street and Road Dirt and the Sweepings of in an uncalcined state, is always to be preferred tic solvent is Houses may be all regarded as composite mate to bone ashes, because the oil and other animal cheaper rate. nures. As they are derived from different sub-matter with which bones are richly charged has

bone, as it contains a larger quantity of decomposable animal matter:* it is very durable in its ef-

fects on a soil.

10. Hair, Feathers, and Woollen Rags, are all porated with the sludge, is so perfectly reduced analogous in composition; they are more nearly mal matter unchanged, or not entirely broken, by exposure to the weather, that it takes the appearance of earth. The effects of road-drift are quantity of albumen (a substance similar to white vegetable life. Thus tallows and oils, received in in many cases beneficial in a higher degree than of egg,) gelatine (basis of jelly,) with some oil.-Woollen rags act powerfully for one year.

* The carbon and hydrogene abounding in oily to support vegetation. Fine road-stuff is better substances, fully account for their effects; and than dung on pasture land.

their durability is easily explained from the gradual manner in which they change by the action

Bones are much used as a manure in the neighbourhood of London. After being broken, and The more divided they are, the more powerful are their effects. The expense of grinding them in a mill would probably be refuid by the increase of der they might be used in the drill husbandry, and delivered with the seed, in the same manner as

Bone dust, and bone shavings, the refuse of the turning manufacture, may be advantageously em-

ployed in the same way.

The basis of Bone is constituted by earthy salts, principally phosphate of lime, with some carbonate of lime and phosphate of magnesia; the easitine, and cartilage, which seems of the same nature as coagulated albumen.

According to the analysis of Fourcroy and Vauquelin, ox bones are composed

Of decomposable animal matter 51 - phosphate of lime - carbonate of lime 37.7 10 - phosphate of Magnesia 1.3 100

M. Merat Guillot has given the following estimate of the composition of the bones of different

tablishments, may be recommended as a valuable useful manures; any one of which, buried in the soil, operates for a considerable time.t

12. Bleacher's Waste. - It is usual to cast away it contains also a little sulphur. In the propor-the residuum of the stills as a worthless article: tion of one gallon to 16 or 18 of water, this liquor but surely if some competent person were emmay be applied to all green crops as a manure, ployed to separate the sulphate of soda from the with good effect. When the object is to destroy sulphate of manganese, the former might be turn-insects, three gallons only of water should be ad-ed to a good account. The waste solutions of the oxy-muriatic salts are also convertible into a va-7. Coal Tur.-The tar produced in making luable manure. Humboldt, about 1810, discoverwith about a wheelbarrow full of mould or fit are in the neighbourhood of bleachfields, would activity. This may be either ploughed in or used ges their situation affords them for making expeas a top-dressing, as the nature of the land and riments on this interesting and important subject. The waste lees, after boiling linen yarn or cloth,

13. Soaper's Waste has been recommended as a manure, under, the supposition that its efficacy depended upon the different saline substances which it contains: but the quantity of these is very minute indeed; its chief ingredients are mild lime and quicklime, either of which, when a supply of calcareous materials, or when a caustic solvent is wanted in a soil, may be had at a

14. The Fluid, or Dissolved Parts, of Animal Substances, require some preparatory process to 9. Horn is still a more powerful manure than fit them for manure. The great object is to blend them with the soil in a proper state of minute division. When these have been applied in a rank or unreduced state, bad effects have followed .-Perhaps while they retain the combinations of ania crude state by the roots, may clog the pores of the bloated plant, repel dews and aqueous fluids, 11. Refuse of Skin and Leather, accumulating and obstruct the free communication of the leaves with the atmosphere.

One mode is, to spread the animal fluid thinly on the land under tillage, and previous to putting

Bone of Calf	Phosphate of Lime.	Carbonate of Line.
Horse	67.5	1.25
Sheep	70	5
———— Elk	90	1
	52	1
Hare	85	1
Pullet	72	1.5
Pike	64	1
Carp	45	5
Horses' Teeth	85.5	£20.5
Ivory	64	1

The remaining parts of the 100 must be considered as decomposable animal matter.

Horn is a still more powerful manure than bone, as it contains a larger quantity of decomposable animal matter. From 500 grains of ox horn, Mr. Hatchett obtained only 1.5 grains of earthy residuum, and not quite half of this was phosphate of lime. The shavings or turnings of horn form an excellent manure, though they are not sufficiently abundant to be in common use. The animal matter in them seems to be of the nature of coagulated albumen, and it is slowly rendered soluble by the action of water. The earthy matter in horn, and still more that in bones, prevents the too rarid decomposition of the animal matter, and ren-ders it very durable in its effects.* *A mercantile house in Hull imported bones for

manure, in the course of last year, to the amount of forty thousand pounds .- Ed. Am. Far.

† Elements of Agricultural Chemistry, p. 199. † Chemical Essays, by Samuel Parkes, F. L. S. London, 1815. vol. IV. p. 160.

tion. The better mode is to convey animal mat-

pally of bullock's blood.

the finest state possible, it will still be improper the growth." for application as a manure, until it has been mixed and incorporated with three or four times its tage as a manure: it is an antidote to the wireor desiccated dung.

materials; wood ashes may be profitably added, a manure, which, with one horse, will crush five affords nourishment to plants; but there is an obas having a tendency to divide and correct the par- tons per day.

ticles of tallow.

lizing power, by converting them into soaps .--Quicklime diminishes their efficacy, tending to of too great a quantity of herrings having been but the land is less improved than it would be, supmake them insoluble. Train-Oil and Blubber.— ploughed in for wheat, so rank a crop was produ- posing the whole of the vegetable matter could be commend different proportions under the diversi-tible for several years. fied circumstances on which individual experience is founded.

thus formed: Let 12lbs. of American potash be used much, renders the soil unfit for producing ly, and fireduce less effect at first, yet its infludissolved in four gallons of water: mix the solu-oats: hence that soil is called poisoned."* tion with twenty bushels of dry mould, and four-

teen gallons of train-oil.

A Correspondent of the Farmer's Magazinet found that blubber in a crude state, as he applied it in a first essay, destroyed, instead of assisting died accidentally or by disease, are too often sufvegetation. Twelve years' experience has led him to a most successful method of using it, water, till they are devoured by birds or beasts of which he presents to the notice of other agricul- prey, or entirely decomposed: meanwhile, noxious ed, is a manure so nearly fit for universal applicaturists. His plan is to make it into a compost in gases are given off to the atmosphere, and the tion, that no other exception need be made to it the proportion of nine loads of earth to one load land where they lie is not benefitted. By cover-than the case of a soil being already too rich. of blubber. He first makes a layer of earth two ing a dead animal with six times its bulk of soil, It is too valuable to be used on common occasions. feet thick, -building it a foot higher at the sides, mixed with one part of lime, and suffering it to alone. It may be mixed with sand, perfectly rotthree feet inward, like a solid wall, to form a remain for a few months, the decomposing carcase ted dung, exhausted bark, or other ingredients, cavity for the blubber. When the blubber has is made to impregnate the superincumbent mould according to the wants of the soil. been laid on a foot in depth, similar layers are re- with soluble matters, so as to render the compeated to a convenient height till the blubber is pound an excellent manure; and by mixing a lit- Professor Davy) seems to be the only vegetable expended, leaving three feet of earth for the top the quicklime with it at the time of its removal, matter that requires fermentation, to render it layer; The entire heap is then beat down close the disagreeable effluvia would be in a great mea-inutritive to plants. at the top and sides to exclude the air. In this sure destroyed. Any waste carcase may also be 'Tanners' Shent Bark is a substance of this state it will ferment, and the earth becomes impregnated with the foul air of the blubber, matter in a state of fermentation; but it is advisable to urge and sustain the fermentation at a heat in about two months, the heap is to be turned high enough to kill gentles and catterpillars.

which gained him the Bedfordian Medal of the Bath Agricultural Society, states that, 'spent bark seems rather to injure than to assist vegetaover from top to bottom. The bottom layer of 17. Rahe-Seed Cake, composed of the husks or iton; which he attributes to the astringent matearth, which thus becomes the cover, will re-pran of rape-seed, is a restorative manure for ara-quire some addition in thickness, to prevent the ble land. It should be used when fresh, and turn-Professor) it is freed from all soluble substances escape of air by the second fermentation: When ed in with the seed. this abates, the compost is again turned over; and after a third fermentation, becomes fit for from burnt, rape-straw, which contain a deal of its agency upon water; or more probably, to its use. The communicator of this method then alkali. This is a good dressing for turnips. adds: "The mixing or applying lime therewith, I have found detrimental, as the lime reduces the blubber, and prevents fermentation. I never use this compost until it is nine or twelve months old. In this state, I have applied—to both grass and mulating a cold soil.

19. Sea Weed.—In some of the maritime countries as directed under "Hot house," in Abercrombie's as directed under "Hot house," in Abercrombie's cut from the grass land three tons of hay per acre, and after-grass in proportion. I have also used it to tillage crops of wheat, beans, and potatoes, on a field of 20 acres, that has not been fallowed for ten years, until this present summer,

the volatile particles that will go off by exhala-tion. The better mode is to convey animal mat-wheat per acre.—five quarters of beans,—and is lost. The best farmers use it as fresh as it can ter in a compost of earthy or vegetable materials. from 1300 to 1500 pecks of potatoes,—with those Blood is a good manure. The Scum taken crops in succession. The land is a strong clay; from the boilers of Sugar bakers consist princifrom 1300 to 1500 pecks of potatoes,—with those be procured. Where it cannot be immediately in keeping it clear from short twich grass, of preparing for compost.—Sea-weed, as a manure, When sugar-baker's waste has been reduced to which if left in the land, the blubber encourages

Pulverized Oil-Cake has been used with advanbulk of some earthy substance, which may be worm, especially if mixed with elder or worm-ferment before they are employed; "though it enriched with a proportion of vegetable mould wood, when it proves a certain means of destroy-may be doubted (says Sir H. Davy) whether the desiccated dung. ing the worm; an effect which is explained by re-practice should be indiscriminately adopted.—

Graves also are too rank both for corn and flecting that oil is descructive to most insects. A There can be no doubt that the straw of differgrass, unless conveyed in a compost of earthy mill has been invented for pulverizing oil cake as ent crops immediately ploughed into the ground

Oily Substances contain a deal of carbon, and provided the quantity be limited,—and, that suf-bandry foul. When straw is made to ferment, it are employed as manures with great advantage. ficient time intervene, before the plants are put becomes a more manageable manure; but there Animal or vegetable alkali increases their ferti- in, for the combinations of animal matter to be de- is likewise a great loss of nutritive matter.stroyed. In an instance, recorded by Mr. Young, More manure is perhaps supplied for a single crop make them insoluble. Train-Oil and Blubber.— ploughed in for wheat, so rank a crop was produposing the whole of the vegetable matter could be All the practical writers on the application of ced, that it was entirely laid before harvest. In finally divided and mixed with the soil. It is usual train oil and blubber, and similar refuse, agree order to prevent a dressing of fish from raising too to carry straw that can be employed for no other that to rectify it, it must be made into a compost luxuriant a crop, they should be mixed with earth purpose to the dunghill to ferment and decom-with a great body of earth, though they may re- or sand, and sea-weed. Their effects are percep- pose; but it is worth experiment, whether it may

The ingenious Dr. Hunter* advises a compost favours bear [barley] and green crops; but when case, though it would decompose much more slow-

16. Carrion is not commonly used as a manure, though there are many cases in which such an appreserving the whole quantity of refuse straw or plication might easily be made. Horses, dogs, hay as manure for the soil, the Reader's attention sheep, deer, and other quadrupeds, that have is invited to the Strictures and Suggestions an-

18. Malt Dust is a manure of great power and sorbent and retentive to moisture, and yet not pevivacity. It answers best as a spring top-dress-ing. Provide for wheat ten quarters per acre; By 'Tanuers spent Bark,' in the above passage, barley, eight; grass-land, four. It excels in still it is to be understood only the bark from which

in the seed or plants, to suffer the free escape of but manured annually in the above proportion; necessary; for there is no fibrous matter rendered the volatile particles that will go off by exhala- and from which I have reaped five quarters of soluble in the process, while a part of the manure applied, a good resource to save the juices draining from it is to lay it on a flattened heap of earth improves the growth and taste of esculent herbs.

20. Dry Straw and Shoiled Hay, with every sort of haulm, is convertible into manure for all lands. In general, such substances are made to There can be no doubt that the straw of differjection to this method, from the difficulty of bu-15. Refuse Fish forms an excellent manure, rying long straw, and from its rendering the husnot be more economically applied when chop-"The manure produced in the fishing villages ped small by a proper machine, and kept dry till from the mixture of all oily and fishy substances, it is ploughed in for the use of a crop. In this

On this question, and the proposed artifice for

22. Woody Fibre.- "Mere woody fibre [says

by the operation of water in the tan-pit. If inju-There is also a rape-cake formed of the ashes rious to vegetation, the effect is owing either to

shore. This manure is transient in its effects, "Practical Gardner," is a great auxiliary to vege-and does not last for more than a single crop.—tation; in general, the excitement from it is only But for one crop it has been found to be the most safely given through the medium of mould; but productive of any. t It is sometimes suffered to the offsets and cuttings of many plants, struck inferment before it is used: but this seems wholly un to the surface of a bank bed, will vegetate with-

^{*} Georgical Essays. †No. LXIII. (dated Aug. 7, 1815,) p. 287.

^{*} Sinclair's Statistical Account of Scotland, vol. vii. p. 201. \$ Ibid. vol. vii. p. 202.

^{*} Elements of Agricultural Chemistry, p. 194. † Ibid.

reduced to an earthy state.

Inert Peaty Matter is similar, in respect to crops. the absolute necessity of fermenting it before it can be beneficial as a manure. It remains for years exposed to water and air without undergoing change; and, in this state, yields little or no nourishment to plants. Lord Meadowbank has recommended a mixture of farm-yard dung for the purpose of bringing peats into ferwell; and the more readily any refuse litter conveyed, I cannot hesitate to defend assertions, heats, the better will it answer the purpose. In which rest upon facts. ordinary cases, one part of dung is sufficient to decompose three, and from that to six, parts of into error," in quoting the report-"that the heiof peat; green vegetables, mixed with the peat, "fer Fanny, which obtained the first premium will accelerate the fermentation. In the height "was out of a dun prize cow," &c. "Whereas of summer it will take about three months—and "her mother is descended from the Bakewell, and in the season comprehending winter, six months," Dutch breeds, and has none of the present short —to reduce fermented peat to the state of vege- "horned blood, in her veins; and as Fanny, was table mould. Ten cubic yards per acre may be "by a full bred Devon Bull, it would appear, ploughed in for wheat.

Shavings of Wood, and Saw-dust, will require as much dung, or green vegetable refuse, to bring them into fermentation, as the worst kinds of

The Fibre and Grain of Wood can be much sooner decomposed by the action of caustic lime, than by the process of fermentation. The young shoots of pruned trees, and similar vegetable refuse, may be speedily converted into a manure, by being laid in a pit, with alternate layers of quicklime. Mr. Brown, of Derby, has been honoured with a medal, from the Society of the Adelphi, for this contrivance, extending the application of that a fourth, could not be ignorant of their exa principle which has been immemorially known, and recently much adverted to. See above, Lime as a solvent.

23. Ashes of Vegetables not woody.-The conversion into ashes by combustion of vegetable refuse matter, otherwise easily reducible into manure by fermentation, may sometimes increase its fertilizing power in one of these ways: either by augmenting the tendency in the manure to produce carbonic acid, under the combined action of charcoal, moisture, and air, -or by the effect of the alkali in relation to some other manure, or the texture of the soil, -or by some ingredient which would be pernicious in combina-tion being expelled in the burning. Vegetable ashes, applied as a top-dressing, may also contribute to the destruction of insects and their larvæ.

Burnt Straw is said, by an intelligent practical farmer,* to be a manure that will insure a crop

recorded in a subsequent page.

Peat Ashes have a local utility as a top-dressing for cultivated grasses. The peat ashes of Berkshire and Wiltshire, in particular, are sold at a considerable price for manuring artificial grasslands, and are much celebrated for their good effect. Professor Davy, having analysed as well these ashes as the soils to which they are success- pear, that Ignoramus had fallen into error. fully applied, found in the soils themselves no sensible quantity of gypsum; the ashes, on the other hand, consisted in great part of gypsum, with a little iron, a little common salt, and variable quantities of calcareous, aluminous, and sili-ceous earth, and sulphate of potassa. But such is not generally the case with peat ashes: to pro-

0 NOSCIMUS.

Devon Cattle, " in figure and points" not better in the opinions of the Easton Committee, than Cattle of the Eastern Shore.

Dear Sir,-I am called on by Ignoramus, to dementation; for this end, dung is well adapted, fend opinions, which he had heard me expressbut any putrescible substance will serve equally although, I would not sanction, all that he has

Noscimus declares, that Ignoramus, "has fallen "that the committee did not entirely disregard "the Devon breed."

Ignoramus, had not stated, that they did "dis regard the, Devon breed"-he no doubt was satished, that the committee did their duty, and was assured, that the chairman, had perfect know ledge of Devon cattle-that another member, who received the only premium for a Devon bull, and ration, which through accident no doubt, had ocwhich could be given, to none other than a Devon, not less perfectly understood their merits-that a third, whose associations, and pursuits, lead him frequently, upon the estates, where Devons are bred, had heard, all their virtues discussedcellence, as his farm adjoins, that of a scientific agriculturist, by whom many of them are annually reared. Ignoramus but contended, that the premium, for the best heifer was awarded for Fanny, from a cow of mixed short horn blood-that the second premium was given for a heifer, from short horn stock-that the two best heifers, although so many thorough bred Devon heifers were upon the ground, proved to be, of short horn after six years experience they have found, that blood—that the committee stated, "no thorough cows which are known to be of pure, and the best bred bull of the short horn breed, was offered to their examination, and that of the Devon breed, there were several bulls of the required age, yet all the premiums, which were taken by bulls, except one, were awarded for animals, of mixed short horn blood—thus placing mongrel, not the present short horns," above full blooded Devons.

That Ignoramus, had not "fallen into error" is proved by Noscimus, who confirms, what he of turnips. The comparative efficacy of burnt had said, by substituting, for mixed short horn shraw is shewn by an experiment of Mr. Wright, blood, the words "Bakewell and Dutch breeds." That the Dutch breed has ever been, called Short Horned-that it was the basis, of all the breeds, technically called short horns, cannot be disputed.

If Noscimus had proved, that the Dutch breed, was not "short horned," and had shown, that the union, with Bakewell blood, did not make it a mixed breed in the dun cow, he might make it ap-

If he mean, by the word "disregard," contemn, I think it will require some ingenuity to show, that the judges, did not disregard, the Devon blood, at the time they passed by so many pens, crowded by the finest animals, of this "industrious" stock, giving no firemiums for Devons. except two, which they were constrained to give,

out earth. See "Pinery," and Grapehouse."—peat must be charged with vitriolic matter, and Devons, was worse than that, of all other breeds. With regard to its application in the open gar-lie on a substratum of calcareous earth. Turf-nor so bad, as to overpower the characteristics, of nor so bad, as to overpower the characteristics, of den, it is not a fit dressing for common beds, till ashes are used in the Netherlands for manuring all other races, whether mixed, or unmixed; and clover and other grass lands; and force great he would not contend, that the commixture of Devon blood, must necessarily prevent, an animal from taking a premium, where but mongrels and Devons were shown.

But it appears, that Ignoramus, is supported by the decisions at another show; for at Easton the first premium, was given for a bull, by a "short horned" bull Bergami; and four others were tak-en for animals of short horn blood. The committee, not satisfied with the mere, award of the premiums, express their "gratification, at finding, "that the fine breed of Champion and Bergami, " are beginning to be widely dispersed." In the same paragraph, in speaking of Mr. Carmichael's little native Eastern Shore Cattle, they assert, "the heiter, in colour, figure, and points, general-"ly, would have vied, with the best Devon reds "of her age," thus making it appear, that a com-mon heifer, can vie, with the best Devons.

I would observe, that it is important, to adhere to the pedigrees, of animals where they are exhibited, to determine, the character of an esta-

blished race.

I conceive, that when the signatures of a committee, selected for their knowledge of the subjects, on which they are called to decide, have been attached to a report, there can be neither indelicacy, nor impropriety, in exposing, an altecurred, giving a name or a pedigree, which without fear of contradiction, I aver, was not in the report, as it was written, and read; more especially if there should be reason to believe, that the committee were aware, that a cow may be red, may have marks of Devon blood, may be supposed to have cost thirty guineas in England, may be sold, on the public highway by an emigrant unknown, and may be called, by a name suited to his purposes, or adapted to the wishes of a most enterprising, liberal and ingenuous man, and yet may have proceeded, from some fortunate cross, aiding the properties, but not predominating over the appearance of Devon blood. And if Devon blood, in the State, yield when fresh, but sixteen quarts of milk per day, they must naturally doubt, whether the red cow, whose milk when measured, with its froth, equalled twentytwo quarts could be of pure Devon blood.

It may be observed, that I am not contending, for my own opinions-I but support, those of the Maryland Society, established by their awards, upon the Eastern, as well as upon the Western PHILO-IGNORAMUS.

Politicks of Agriculture.

TO THE EDITOR OF THE AMERICAN FARMER.

Charles County, Jan. 3d, 1825.

Dear Sir,-It should be extremely gratifying to all, to perceive that an interest is about to be excited in our legislature upon the subject of agriculture. This fact alone induces a hope that our delegates will at their present session, relieve the State from the charge, that they have heretofore been unmindful of the best interests of their consituents; and that the cultivators of the soil will no longer be misrepresented. Is it not matduce this preponderating quantity of gypsum, the in the one case, for the calf, from a cow, without ter of astonishment that notwithstanding every a hedigree, as "she was the only one offered to individual in society is more or less interested in individual in society is more or less interested in * A General View of the Agriculture of the the examination of the committee"-in the other the abundant productions of the earth, so little East Ruling of Yorkshire, by H. E. Strickland, for a Devon bull, as it was offered for, a Devon attention has been devoted to the subject by those who are particularly entrusted with the interest Ignoramus, had not supposed, that the blood of of the whole. "What have you done for the plan-

Esq † Elements of Agricultural Chemistry, p. 19.

—and the answer is equally ready: "No plan or proposition was suggested, in which they were permitted to range at large. Those who will immediately interested, or I certainly should have make the experiment, with few exceptions, will Remarks by M. M. Noah. voted for it!" Thus have we been, from time to find it to their advantage not to permit their hogs tion, very zealous to support the same delegation, hood is infested with either two or fur legged because "no plan or proposition came before the dogs. During the last year necessity compelled legislature." And pray whose fault was it that me to pen my pigs or have no pour thing the last year necessity. time, fut off with excuses; and at the next elector run at large, particularly if their neighbourlegislature." And pray whose fault was it that me to pen my pigs, or have no pork; thirty were no "plan or proposition" came before the legislature? However, this mode of reasoning and ning through it, on the 15th December, 1822; the those insufficient excuses will no longer avail, for pigs were from two to four months old: a beef I see with much pleasure, that the "Agricultural Society of Maryland" have appointed a committee, to make "propositions;" and from the chains.—After my wheat was gathered in, they were racter of those gentlemen who compose it, we let into the stubble field until the scattered grains ficient reason is perceived for continuing it to foare satisfied that judicious "plans" will be submitted to our legislature. It will then hereafter ples, pumpkins, &c. &c. with corn: they were mers, require better evidences of the existence, and their being stolen. Although there is an exor abler suggestions for remedying some of the evils, than may be found in the "American Far pretty extensive wood range, I shall pursue the mer" within the last several weeks? Although same mode again, believing it to be the most ecothere are a variety of modes recommended; yet nomical. With the advantage of clover, and a any one, would contribute greatly to alleviate proper attention to vegetables, I have not the some of their grievances. From the "committee least doubt of its being preferable to any other. I have given these particulars as an evidence, duties, and the objections to the measure as detivators of the soil do anticipate not only a fa- in favour of the hog law. Suppose this practice vourable report, but efficient measures. It would be too much to expect for that committee, that kind of stock, might be made of a post and three afford protection to our own citizens, but it is very they should embrace all the details requisite to rails; -whereas, to be safe from hogs, it requires a perfect plan for the promotion of agriculture, at least five with posts, and of the common worm as it requires several distinct and seperate laws to remedy all the evils. The revision and amendment of the "law of trespass" generally :-- a law for the protection of sheep, and consequently the taxing, chaining, keeping at home, or killing superfluous dogs :- and a law to compel the owners of hogs to keep them within their own enclosures, more or less indispensable to all concerned in agricultural pursuits, and equally just to all classes in society. Upon the subject of sheep and sheepkilling dogs, enough has been published in the American Farmer, to satisfy our delegates, even those who consider themselves most invulnera ble, that something must be done, or it is to be sented. earnestly hoped, that they will hereafter have nothing to do. The destruction of sheep by dogs within a few years past, has been so ruinous to the raising of that stock, that in many neighbourhoods the attempt is entirely abandoned; and in that in which I reside, formerly remarkable for good sheep and great numbers, I believe I can discussed by some able hand. with truth say, that there is not wool sufficient to of war against them, and like prudent politicians have commenced the attack, for within the last ten days they have reduced the small remnants of flocks to one half, and in some instances to less than one-third. Now let those of our delegates who are such advocates for the "people" calculate whether it is more to their interest, to pay a by a citizen of the United States? higher price for the wool, requisite for family purposes, or to keep fewer dogs at a lesser expense. It is to be regretted that many of those essays in the American Farmer are not re-published in some of the country newspapers; much good might be done to the farmers and planters, and then our delegates could not plead ignorance of the existence of such evils.

There is no part of agricultural economy less attended to, or less understood in these lower formerly hung heavy upon it?

ters and farmers? is the usual question asked counties, than the manner of raising and keeping upon the return of our delegates from Annapolis hogs; and no stock is more destructive to our was fattened in the same pen until March: I gave be incumbent upon the agriculturists, throughout slaughtered the 20th December last. I have never the state, to scrutinize minutely the objections and had such good pork, and am convinced that the tend to confine the commerce of the nation to its difficulties which may be opposed to the success same weight of meat would have cost me more by of their efforts. Can men who are disposed to raising them in the common way; and have been listen to the just complaints of planters and far- saved much trouble, vexation, and loss by straying

in favour of the hog law. Suppose this practice tailed above, struck us forcibly on reading the of-was pursued; the necessary fencing for all other ficial document. We are, undoubtedly, bound to rails;—whereas, to be safe from hogs, it requires at least five with posts, and of the common worm tence from nine to eleven rails. The difference in the saving of timber, especially in districts of profits. We export a very small proportion of country where wood is not abundant, would more than pay for all the pork required upon the farm, without taking into the account labour and other considerations. But independent of these, is it not right that each individual should be compellor the right to those trespassed upon, of killing ed to keep his stock off his neighbour, and not when found on their land. These are, I consider, put him to the expense of making fences where he would not otherways require them? Should our legislature pay a due regard to these matters, the end of the year, which has just commenced, will bear striking evidence of the judiciousness of their enactments, and the agriculturists may congratulate themselves that they are no longer misrefire-A Furmer of Charles County.

> To the Editor of the New-York Gazette.

Gentlemen-Permit me, through the medium of your useful paper, to propose the following French government should shackle our commerce Queries to the public, in hopes that they may be by special export duties, would it not equally im-

1st. Is it not possible that the English governfurnish stockings for all the families. It would ment will, upon hearing of the discrimination in cd by treaty, there the thing ends at once the duties upon their manufactures in favour of But all reasoning on this subject fails from the American citizens, lay an additional duty upon admitted impossibility of enforcing the system. seem as if the dogs had anticipated a declaration the duties upon their manufactures in favour of of the United States?

2d. Will not the English (or even French) government, probably lay an export duty even upon

3d. Will not the large manufacturing population in England and Scotland, petition their government to enact the above laws?

4th. Is not this proposed law in direct opposition to the treaties with Great Britain?

5th. Why is Congress laboring to put restrictions upon trade, whilst the government of Great commerce from all the burdensome weights which

6th. Are not the commerce, riches, and the amount of imposts in England, increasing rapidly

Remarks by M. M. Noah, Editor of the New-York National Advocate.

We have been looking for some queries on the above subject, which will be admitted is of great interest to the general prosperity—and as such, should be approached with caution.

The secretary of the treasury in recommending discriminating duties, gives the following rea-

"But whatever motives there may be for allowing a credit for duties to our own citizens, no sufreigners, who are not domiciliated in the repub-lic. A discrimination, in this respect, between citizens of the United States and others, would practice of shipping merchandize to this country, upon consignment, for foreign account, which has hitherto been found to interfere with the interests of our own regular merchants."

Accustomed as we are to receive the opinions of the secretary, with great deference, arising from a confidence in his experience and integrity, we our imports; as we are consumers, therefore, the more free and unrestricted we are in our commercial regulations, the greater will be the field of enterprize and competition, and the cheaper will be the commodities actually required and consumed.

The honorable secretary admits, that, while cash payments for duties would prevent loss, it would "probably diminish the amount of duties," and shortening credits would produce the same results. Policy, therefore enjoins us to avoid measures which may impair the revenue, or create distinctions and classifications among merchants, which may result in retaliatory decrees.

Suppose, as a measure of retaliation, a duty should be laid on cotton in England, the property of Americans, would it not seriously injure the growers of this article in the south? Suppose the pair our exports and staple article to France? If the discriminating duties in question are prohibit-

cotton when imported or even owned by a citizen The moment alaw passes which compels foreigners to pay cash duties, not a bale of goods will be imported in the name of a foreigner; and the moment England passes a retaliatory law, no cottheir own manufactures, when exported or owned ton will enter in the name of an American.-Nothing, therefore, being more feasible than an evasion of the law, it would become a dead letter, though surrounded by a battery of oaths.— We had better allow our commerce to progress, as it now does, prosperously and satisfactorilythrowing open all its avenues to the enterprising capitalist, and enriching our country with the product of every clime, filling our national cof-Britain are doing all in their power to free their fers, decreasing our national debt, improving our national resourses, and receiving in our national family the industrious of every clime.

Internal Improvements.

[Communicated for the American Farmer.] CONSTITUTION

Of the Pennsylvania Society for the promotion of Internal Improvements in the Commonwealth.

1. This Society shall consist of as many members as shall sign this emistitution; and its object shall be, as designated in the title, to promote internal improvements in the commonwealth.

shall be chosen on the second Tuesday in Decem-sideration of their fellow citizens. ber of the present year, and on the first Tuesday in January, in every year after 1825. The officers chosen at any election shall retain their offices until the appointment of successors.

III. The President, or, in his absence, one of the Vice Presidents, or, in their absence, a Chairman chosen pro tempore, shall preside at the meetings of the Society. The President shall call extra meetings whenever requested by six members in writing, whereof six days notice shall be given,

May, July, September, and November.

members, shall be appointed on the second Tuesday in December of this year, and at the first

VIII. The subscription for the first year shall be one hundred dollars, payable in four quarterly

shall be ten dollars per annum. Nov. 30, 1824.

Extract from the By-Laws.

The Acting Committee shall open a correspondence with the friends of internal improvements ble at some periods of the year. in the United States and elsewhere; with all who have charge of public works in the United the purpose of this paper particularly to call the conduct water, be mixed with the broken stone, States; and with those who are skilled in the public attention, and by a statement of the erro-which must be so prepared, and laid, as to unite science of civil engineering. They shall collect neous principles upon which they have been by its own angles into a firm, compact, and imsuch information, in relation to the objects of the made, and an exhibition of a better mode of con-penetrable body. society, as can be procured; and shall from time to time report their proceedings, and such other sive benefit will be obtained. matters as may be interesting to the society, and as may contribute by their statement and promulgation to the purposes for which it is established. The committee may submit for the consideration of the society, plans for public improvements, and such estimates of their cost, and and undermines and loosens the coat of broken is to be laid on, not all at once, but in layers of of the means of their accomplishment, as can be stone, which forms the cover of the road. Those three inches thick; after the first layer is laid on procured without expense; unless the expendi-large stones scarcely ever consolidate. ture of money for the purpose of attaining such 2. Our roads are quite too convex, whereby is not open to traffic, a roller of iron should be estimates and plans shall be specially authorized carriages are necessarily kept in the middle, used, if the weather be showery; if otherwise, by the Society, They shall keep accurate mi- which is worn down, and thus presents a son nutes of their proceedings, which shall be sub- basin for the reception and detention of rain. mitted to the society at every stated meeting.

OFFICERS OF THE SOCIETY. John Sergeant-President. John Connelly, Mathew Carey, S Paul Beck, Jr. Vice Presidents. John White-Treasurer. John Y. Clark-Recording Secretary. Gerard Ralston-Corresponding Sec'y. Mathew Carey. Joseph Hemphill, Stephen Duncan, William Strickland.

II. The officers of the Society shall be a Presi- Internal Improvements in the Commonwealth, dent, three Vice Presidents, a Recording and a respectfully submit the following essay on the Corresponding Secretary, and a Treasurer; who construction and reparation of roads to the con-

MATHEW CAREY JOSEPH HEMPHILL, RICHARD PETERS, JR. STEPHEN DUNCAN. WILLIAM STRICKLAND.

GERARD RALSTON, Secretary. Philadelphia, Dec. 20, 1824.

SECTION I.

On the Construction of Roads.

IV The Recording Secretary shall keep fair public roads are objects of the first interest. Their the stones should be broken so as not to exceed minutes of the proceedings of the Society.

V. The Treasurer shall receive all monies belonging to the Society, and keep correct accounts pairs is regulated by the correct or erroneous dated as to preference of three,)—and so completely consolidated as to prevent the penetration of rain—that

VI. The society shall hold meetings every two months, on the first Tuesday of January, March, have been constructed by private capital, and length, and in his various examinations by order

monwealth.

It has been frequently remarked by our citimeeting of the Society in every year after 1825; zens who have visited the eastern states, that in be the reverse of digging a trench. The road which committee shall perform such duties as those parts of the Union, the town roads, which should not be sunk below, but rather raised above may be entrusted to them by the society, and are the same as our public highways or township the ordinary level of the adjacent ground. Care shall have charge of its correspondence. The roads, are better made, and are always in better should be taken that there be a sufficient fall from Corresponding Secretary shall act as secretary of this committee, and shall keep its minutes.

The roads, are octted made, and are alwards in Why the road to the adjacent ground to take off the this committee, and shall keep its minutes. and at a future period some facts may be commu-that on which the road is intended to be placed. nicated on this subject. At present, it is, howinstalments, the first on the organization of the ever, only intended to invite the attention of the are indispensably necessary. society. The subscription after the first year citizens of the commonwealth to the known and acknowledged fact, that our public roads, which the next care is to secure it from rain water, by are under county and township charge, are bad a solid road made of clean, dry stone, or flint, so in their formation, and almost entirely without selected, prepared, and laid, as to be perfectly that care which is necessary to make them passa-impervious to water. This cannot be effected,

structing and repairing them, it is hoped exten-

mit four great errors :-

stones which are the foundation of the road, and tion of rain water.

which is worn down, and thus presents a sort of

side of our roads, to carry off the rain water, or, mud into which the rain converts the earth carried if cut, it is very seldom kept free from obstruction. on the turnpike.

At these errors we are not to wonder; for England, with centuries of experience in roadmaking, and tenfold the experience of turnpikes that we have had, has until lately pursued exactly the same career, which, even at present, is Richard Peters, Jr. Acting Committee, continued in many parts of that island. But a new system has been introduced there within a few years past, by Mr. J. L. M'Adam, which has The subscribers, the Acting Committee of stood the test of the most rigorous scrutiny—and The Pennsylvania Society for the promotion of received the most unqualified approbation of parliament-of the postmaster general-of the proprictors of stage coaches-and of numbers of the most enlightened persons in the nation. It forms no slight recommendation of this system, that Mr. M'Adam, and his family, under his direction and on his system, have been and are employed in the construction and repair of different roads to the extent of nearly 700 miles-and that he is consulted, and his plan followed, by the major part of all the road contractors in England.

The leading features of Mr. M'Adam's system are-that the best foundation for a road is the natural soil; that this foundation, on which the broken stone is to be laid, ought to be elevated, two, three, or four inches, above what is The proper construction and preservation of usually termed the side or summer road*-that of the receipts and disbursements, which he shall principles adopted by those who have charge of the stated meetings. He shall pay no monies but on the order of the Pre
Roads in our state are of three descriptions—sily friable is highly permicious—and that the bed sily friable is highly permicious—and that the bed VII. An acting committee, to consist of five by large and liberal contributions from the com- of the house of commons, and are comprised in he following plain rules:-

1. "The first operation in making a road should Side drains, or ditches, to carry off the water,

2. "Having secured the soil from under water, unless the greatest care be taken, that no earth, To the turnpike roads in Pennsylvania, it is clay, chalk, or other matter that will hold or

3. "The large stones usually laid at the bottom of roads as a foundation, are not only a useless In the formation of our turnpike roads we com- expense, but positively injurious; as, being conit four great errors: -- stantly shaken by heavy carriages, they keep 1. We dig a trench in which to place the large the upper stratum loose, and open for the recep-

which receives the water that percolates through, 4. "The stone, (or, as we term it, the metal,) it is to be subjected to the traffic, or if the road

* It is to be observed that Mr M'Adam disap-3. Our stone is not broken small enough—and proves of side or summer roads; as the earth our roads are generally encumbered with large which is carried from them to the turnfike, by stones, which interrupt the progress of carriages, the horse's hoofs and the wheels of carriages, inraise up the wheels, & by the jolt, injure the roads. jures the latter. In England scavengers are em-4. There is rarely a trench or ditch cut at the hologed on many of the roads to sweep off the

consolidate when perfectly dry.

5. "Much has been said and written upon the of three inches, loosing a little the hard surface nomical mode in the end. of the road, about an inch deep, to allow the principle that the natural soil is the real carrier ficial road would be altogether unnecessary.

or roof, to preserve it in that state; experience rake in the track made by the wheels.

7. "The only proper method of breaking stones, both for effect and economy, is by hersons sitting. The stones are to be placed in small heaps; and women, boys, or old men, past hard labour, should sit down, and break them with small hammers, so as none shall exceed six ounces in weight.
8. "The stones should be broken very small."

that size is more useful and more profitable to the properly applied, there is no occasion for the covering of gravel or slate-and I object to it, as preventing the consolidation of the stone, by otherwise unite by their own angles.

9. "The reason for recommending the laying on the stone at different times, and in layers, is,

as to allow the water to pass through.

weather, or displaced by the action of wheels, ment of our rights. which will pass over it without a jolt, and conse-

quently without injury.

11. "A carriage ought as much as possible to stand upright in travelling. I have generally made roads three inches higher in the centre than at the sides, when they are eighteen feet wide. If the road be smooth and well made, the water will easily run off in such a slope.

12. "When roads are very convex, travellers is the only part where a carriage can run upright; by which means three furrows are made, one by the hurses and two by the wheels. More water stan is on a very convex road than on one that is reasonably flat.

13, " I'en inches of well consolidated materials are equal to bear any kind of carriage. I do not care whether the substratum be soft or hard—indeed I should prefer a soft one, provided it was discrimination rather more nice than wise, discrimination rather more nice than wise, discrimination and the clay.

water should be thrown on it; for no stone will the road, where it will receive the water falling mages might be sued for and recovered before

roads no stone is ever laid larger than a walnut.

[To be concluded in our next.] 0

TO THE EDITOR OF THE AMERICAN FARMER.

Baltimore County, January 3d, 1825.

time, when the other classes of society are impor kind that can be turned into money or drink, is tuning, daily, our public authorities, for exclusive safe-all stolen and taken to these vile depots. that if the whole quantity be laid on at once, the privileges and further protection, to the almost Our legislature, if independent, could soon give under part never consolidates properly, but continues loose, and tends to loosen the upper part so the land holders, and those engaged in the cultitinues loose, and tends to loosen the upper part so the land holders, and those engaged in the cultiin effecting the reformation of many, and therevation of the soil. Amidst the difficulties we have by deserve and receive the thanks of every well 10. "Nothing is to be laid on the clean stone to encounter, is the greater exposure and want on pretence of binding. Broken stone will combine by its own angles into a smooth, solid surlay, trouble and expense we have to submit to, to encounter, is the greater exposure and want wisher to the happiness of face which cannot be affected by vicissitudes of in order to obtain redress of the least infringe-

We would humbly suggest, through your columns, to this committee, to take into consideration the propriety of repealing all the laws now extant on the subject of trespass, and to enact such as will be simple, intelligible and efficient such as would be bottomed on common sense,the spring, summer or autumn? The law also description of it. states, that you shall have your fence five feet

from the high ground, and keep the road dry.

15. "The materials should be cleansed of the who should have power to summon a jury to try strength of roads. My experience leads me to mud and soil, with which they are mixed in their the ease, without the present tedious and expenthe conclusion, that six inches thickness of well native state, on the sport where they are procure sive delay. We cannot pass over another and broken stone, properly laid on, is quite sufficient, ed. If gravel be used, it ought to be cleared by provided the bed of the road be made and kept screening, or, if necessary, by washing. Some addry. Of late years I have made no road thicker; but on the second year have given it an addition first instance—but it will be found the most eco- the number and character of the grog shops throughout this state, which have almost render-16. "Twenty per cent. of the expense of im-ed worthless, the whole of our labouring populanew and the old metals to unite; going upon the proving and repairing roads is often incurred by tion. The remedy I would suggest, is to encrease rows of trees, particularly on the sunny side, in the present tax or license to \$100, hoping that both of the load and the carriages; and that if it could be kept dry by any other means, the artiof their wheels, will make ruts in a newly made found guilty of selling liquor to slaves, or of keep-6. "The thickness of a road is immaterial as road till it consolidates, however well the ma- ing a disorderly house, in lieu of the present fine, to its strength for carrying weight. This object terials may be prepared, or however judiciously I would recommend the punishment to be a fine is already obtained by providing a dry surface applied. Therefore a careful person must attend of \$100 and confinement in the penitentiary at over which the road is to be placed as a covering, for some time after the road is opened for use, to hard labour, at the discretion of the court, and for some time after the road is opened for use, to hard labour, at the discretion of the court, and disqualification, ever after, to obtain a license having shown that if water passes through aroad, and fills the native soil, the road, whatever may be its thickness, loses its support, and falls to on the plan adopted by Mr. M'Adam. On these litical rights. The constables or the informers to have the benefit of the sum recovered by fines from such prosecutions. Let the money raised from ordinuries be applied to the estublishment of free schools for the education of the poor. The demorailzing effects produced by the number of these nuisances, are truly so alarming, that they loudly call for some prompt and efficient measures to Dear Sir-I rejoice exceedingly, to find the le-leheek them; with the present low price of whis-In recommending six ounces as the proper size, gislature of Maryland, has, at last, appointed a key, and the facility of obtaining license to sell, I went as far as the then old prejudices would ad- "Committee on Agriculture." This is what prompting every fellow to keep a tippling shop, mit. But experience has convinced me that half should have been done, long since-even in the who is too indolent to labour. It is almost a wonappointment of this committee, the agricultural der there should be found a sober man in society; country.* When the stone is well broken, and interest is greatly benefitted, inasmuch as a me-every device and scheme are resorted to by these dium of communication is had, through which our miserable wretches to induce our slaves and serwants are made known, our rights asserted, the vants, constantly to commit petty thefts and to grievances set forth under which the landed in-deposite the stolen goods with them, for which, in keeping the pieces apart, whereas they would terest labours, and the remedies and reliefs point- return, a few gills of whiskey are given. Not a ed out-this is the more important at the present chain, iron bolt or screw, in short, nothing of the

MANKIND.

-00 TO THE EDITOR OF THE AMERICAN FARMER.

BURNING CLAY.

Sir,-Many of my friends have enquired of me. the method I pursued in burning clay. In order to answer their enquiries, I beg the use of your columns. I was so alarmed at the trouble and The law of 1715, provided that no horse, mare or expense I should incur in the process, from what gelding should be permitted to run at large from I had read, or heared on the subject, that I was May to November, but neglected to extend this a long while deterred from the undertaking. I generally follow the track in the middle, which prohibition to hogs or horned cattle-Whyshould however, resolved on making a trial, and follownot the law be amended so as to include all kinds ed my own mode, which, indeed, is much more of stock, and to extend to the winter as well as easy to put into practice, than to give an accurate

I had a number of stumps and knotty logs laid high, without making any provision for hedges, as a foundation, and having a few wagon loads of stone walls or other enclosures. Why should not oyster shells on the place, I determined that one not such as would not allow a man to walk over it. tinguishes between cutting and carrying away coat of shells, &c. till my shells were exhausted. 14. "When a road is to be formed on the side of from a man's premises, wood, bark, timber, corn, I immediately fired the heap, and commenced a hill, the ditch should be on the higher side of grass, fruit, &c., when it be done at one time, with my ox carts and hands to haul and pile on making this act a trespass; whereas, if any time common red clay taken from the side of the intervene, viz.; if he cut or pull one day, and county road. I soon discovered that no more fuel nication to an American gentleman, dated Feb. 7. take away the next, or at any other time, this was necessary—that one load of earth served to 1823—and is the result of greater experience than act is larceny; it is high time to have such laws burn a second, and would carry on the operation Mr. MAdam had when he wrote the preceding annulled, and others enacted that will give the ad infinitum. The only thing to be guarded one, No. 7.

^{*} This item, No 8 is taken from u MS. commu

it the simplest process in your farm operations.

cidedly in its favor-and I believe it to be the cheapest and best. My soil is a stiff clay, I ap-linjury from the musket." plied it on potatoes and corn—a day of two diets application there came a smart rain. I was pleased to find it had already acted as a strong of Congress said that we were "not yet ripe for than four ounces of blood were lost during the operation.

Witherspoon.—When a distinguished member the cow was completely recovered. plied it on potatoes and corn-a day or two after work in that part of the field which was top patriot answered "in my judgment, Sir, we are dressed with it, while the part not dressed was not only ripe, but rotting." too wet. Immediately on the appearance of the corn and potatoes, the greatest possible difference was visible, and so continued to the ripening of both. Some may say it was the effect of the burnt shells-these I have before used-but never saw any such sensible effects on the crop on which it was applied, as in the present application. I

Farmer, you will insert it,

And oblige,

D. WILLIAMSON, Jr.

6th January, 1828.

CAYENNE, OR RED PEPPER

will burn before I am aware of it, and to attempt The Dean took out his pencil and wrote the following couplet, which long graced the barber's public walks with extraordinary veils, which sufvirtue of it is destroyed; if any of your numerous sign:correspondents, can inform me how it can be accomplished; by inserting in the American Farmer, you will confer an obligation on

A CONSTANT READER. Portland Mills, Va. Jan. 7, 1825.

Miscellaneous Items.

prove beneficial to the society. On one of the proceeds, but continual re-investment of the halflabels is the following:-" The seed from which yearly dividend, until his death. This accumuthe enclosed were raised, were found in the sto- lative process has been regularly attended to mach of a wild goose, that was shot 300 miles without material interruption or diversion until 1240." (Sentember, 1824.) from land about two years since."

Enterprize. - The distinguished Robert Morris of this city, made the first attempt to effect the vised to a person named in the will .- Legal inte-"out of season" passage to China, which is effected by going round the South Cape of New would have advanced well towards the same re-Holland, thus avoiding the periodical winds presult, but the dividends of the bank amounting to Holland, thus avoiding the periodical winds pre-sult, but the dividends of the bank amounting to to the Escurial, to announce to the king the resovalent at certain periods in the China sea. In a greater ratio, by a constant re-investment, has lution to his Majesty Charles X. to withdraw prosecution of this subject, the ship Alliance accumulated to the handsome cash property we his troops from the Peninsula leaving only garsailed from the Delaware on the 20th of June, have mentioned .- N. Y. States man. 1787, and arrived on the 22d of December, at Canton. As no ship had ever before made a similar passage, great astonishment was manifest-steam boats and stages, between this city and circuit of the fortresses they occupy. ed; and the lords of the British Admiralty sub-Norfolk, by which a direct communication will "Although this news is positive and sequently applied to Mr. Morris for information be opened between the two places, in 36 hours and though the preparations have been already with regard to the track of the ship. It is said that her probable route, was previous to her departure, marked out by Mr. Morris, with the assistance of Mr. Gouverneur Morris.

whenever you find the clay giving way, or heat-ity will scarcely believe that the bare loins of ma-javailing, Mr. Partridge, a medical student, made ing red-hot, put more earth on, and you will find my brave men who carried death into the enemy's an incision, about 6 inches in length through the the simplest process in your farm operations.

As to its effects as a manure, I can speak detouch boxes, while a folded rag, or a tuft of moss (windpipe) into which he made a sufficient openprotected the shoulders from sustaining the same ing to extract the potato with ease. The wound

precisely repeat a speech or sermon, written by have it in contemplation to introduce gas, and an himself, by reading it over three times.

One sharp frosty day, his present Majesty, when Prince of Wales, went into the Thatched House Tavern, and ordered a beef steak; but should certainly prefer burning clay as a manure, the weather being very cold, desired the waiter rather than haul ashes 3 miles, though they were to bring him first a glass of brandy and water. given to me. I conceive them to be an admira-life emptied that in a twinkling, then a second, ble application for turnips, wheat, grasses and then a third. "Now," said his Royal Highness, Should you think the above worth a place in the steak." On this, Mr. Sheridan, who was present, wrote the following impromptu:-

> The Prince came in and said 'twas cold, Then put his head the rummer; Till swallow after swallow came, When he pronounced it summer.

enabled to effect it to my satisfaction; it has so and if your worship would just write me a few been seen to change the tone of decency and hogreat a tenacity it is impossible to reduce it to lines to put upon it, by way of motto, I have no nour for manners least becoming Musselmans. powder, and to attempt to dry it by the fire, it doubt but it would draw me plenty of customers."

Rove not from pole to pole, but step in here,

Compound Interest .- A fair example of the natural and just increase of money by the operaof this city. The probate of a will from London Musselman women. A packet containing seeds, collected by one of was received, directing the disposal of property the present year, when the original capital, constantly increasing by the regular and occasional

was then nicely closed by sewing, and the whole secured by lint and bandage, and in a few weeks

ot only ripe, but rotting."

A new clock is in progress for St. Paul's Dr. Witherspoon often remarked that he could Church, London. The vestrymen of the church illuminated face, so as to give the neighbourhood the full advantage of this desirable object by night as well as by day.

Scraps from English Papers.

The Grand Signior, conceiving that his disasters with the Greeks are owing to the Turkish women wearing thin veils and casting wishful looks at the men, has issued the following firman:

"Since the women must never, when they go out, deviate from the rules of decency and honour, it is especially necessary to take care that none of their actions be contrary to the holy law.

"An imperial firman has already been published to hinder them from wearing embroidered I have been endeavouring to pulverise our common Red, or Cayenne Pepper, but have not been sign?" said the Dean. "Oh, the pole and basin; these latter times, therefore, certain women have nour for manners least becoming Musselmans. They have not feared to wear embroidered fefer their faces to be seen.

"Such conduct is equally contrary to the di-Where nought excels the shaving, but the beer, vine law, and to my supreme will. It is evident that the Government must put a stop to such an irregularity, and that it is also the absolute duty of husbands, to take care that their wives do tion of time and the ordinary course of law, was not go out in a dress which being irreconcileable furnished the other day, in the Surrogate's office to decency and honour, cannot be suitable to

"Henceforward, therefore, the women shall the Society of Friends, during a long residence in the funds of the Manhattan company. In the not wear embroidered feredges, nor condemnable in America, has been transmitted to the Botanic year 1799, the testator, Daniel Delaney, invest-colours, nor veils artfully contrived to show their Garden, in the town of Bury, England, some of ed \$50,000 in stock of this bank, with a resolu-which are of the pulse kind, and are likely to tion to suffer it to remain, without receipt of its those who may be seen in such a dress, they shall be made answerable, and punished for the conduct of their women.

"Given in the month of Muharren, the year

Paris, Nov. 11.-We have just received, by surplus dividends, has amounted to \$300,000, de-express, the following news from Madrid, dated the 3d instant:-

"The Charge d'Affairs of France, and the General in Chief, Count Digeon, went off vesterday risons in Cadiz, Pampeluna, &c. The Charge d'Affairs is also to tell his Majesty that the troops It is in contemplation to establish a line of will in no way interfere with matters beyond the

" Although this news is positive and authentic, The time now required for a passage is 72 hours. made for entirely evacuating Spain at the end of Philadelphia paper. the month, I can guarantee to you, that when Philadelphia paper. the month, I can guarantee to you, that when the Charge d'Affairs of France gave on the 20th a note to our Minister of Foreign Affairs, Fortitude.—General Greene stated that "at to a farmer of Templeton, in Worcester county, ceived as to the evacuation of the interior of the battle of Eutaw Springs, hundreds of my was choked with a raw potato; and that after Spain, our (the Spanish) Government was so men were as naked as they were born. Posteri-all the usual means of relief had been found un-frightened, that it immediately commenced new negotiations, making propositions which have been sent to Paris, and which, notwithstanding the note transmitted to M. Zea, and the journey of the General and Charge d'Affairs to the Escurial, will probably occasion some modification in the first determination of the Cabinet of the

for a loan is altogether broken off, because these houses would not take the smallest part on their own risk. It is affirmed that instructions newly given to M. Burgos, authorize him to make some overtures to other houses on the admission of a certain quantity of bonds of the first loans of the Cortes, which would be received in payment of the loan proposed to be contracted; but this is a

report which I repeat without guaranteeing it.

"It is stated as positive that M. de Talaru returns to Madrid."—Constitutionnel.

The parish of Mary-la-bonne is about to be lighted up with gas. Sixty miles of iron pipe have been contracted for, to convey the gas.

At a meeting of the committee appointed for the purpose of taking into their consideration the the purpose of taking into their consideration the Por thou respects them not John, thou more than savage foe, or \$5, has improved about 50 cents per hundred. plan proposed by Lieut. Colonel Trench, for Then dread our might in equal fight, Oh Johny Bull my Joe. LIVE CATTLE—a lot of near 20 from the South making a quay on the north bank of the river Thames at London, held on the 2d November, it was resolved to carry the undertaking into effect. £611,000 is considered an adequate sum; it is to be subscribed in £100 shares. Mr. Wyatt is to be architect, Mr. Rinne engineer.

It is repeated that Mr. Broughman will be appointed one of the King's counsel.

A dreadful fire had taken place in Fleet-street, London. It commenced in the shop of Mr. Bond, linen draper, No. 87, and extended to several of the adjoining premises, and caused a destruction of property to nearly the amount of £100,000 sterling. No lives were lost.

-0-NATIONAL REVENUE.

Treasury Report.—It appears from this report that the actual receipts into the Treasury for the year 1824, are estimated at \$26,980,893, 96, which with the balance of 9,463,922 81 remaining in the Treasury at the commencement of the year, form an aggregate of 36,444,816 77, and the expenditures during the year, including 4,775,671 99 paid awards under the Florida treaty, and 16,568,413 76 of the public debt, leaving an existing balance of 4,506,668 91; subject, however, to the payment of appropriations already made.

The public debt on the 1st of Jan. 1817, was 123,491,965 16, of which 115,257,806 48 were funded, hearing an average interest of 5,56} per centum per annum; and on the 1st of Jan. 1824, the whole debt was 86,045,003 18, bearing an average interest of 5,364 per centum per annum; while the government hold 7,000,000 capital in the Bank of the United States, which would reduce the actual debt to about 79,000,000; being about 5.8ths of what it was eight years ago; within which time about 5,000,000 have been paid for the purchase of Florida.

The excess of receipts over the expenditures, including the annual payments of the public debt, will be about 3,000,000, until the close of the year 1835; after which time, the debt being then entirely discharged, there will be an annual addition of 10.000,000 to the amount, applicable to such objects of defence and for the welfare of the nation as may be deemed expedient and proper.-

Del. Gaz.

FOR THE AMERICAN FARMER.

JOHNY BULL-BY A HUNTER OF KENTUCKY.

Oh Johny Bull my Joe John, when we were first acquaint, Your horns were made of steel John, to brave the battles'

They were full long and keen John, and frightful to the foe "The negotiation with the bankers of Paris Thy roar was heard, and Nations fear'd, Oh Johny Bull my revision.

> Oh Johny Bull my Joe John, in triumph on the seas, You tribute claim of all John, and plunder when you please; But this cannot be right John, your conscience tells you so, If it will not, will Yankee shot, Oh Johny Bull my Joe.

> Oh Johny Bull my Joe John, we've met you on the Main, We've taught you fore & aft John—your glory's in the wane; We've taught you at the broad-side the way to quell the foe, And something new at boarding too, Oh Johny Bull my Joe

> Oh Johny Bull my Joe John, we've met you on the land, The choicest blood you brought John, we sprinkled o'er the strand:

> Then hie thee home in haste John, to meet some other foe, We fight more bold than if for gold, Oh Johny Bull my Joe

Oh Johny Bull my Joe John, we fight for more than fame, Our FAIR to save from thee John—the INFANT from the flame;

Now Johny Bull my Joe John, we've better got acquaint, We stand in freedom's cause John, to brave the battles' brunt:

There thou lisst got no horns John, Columbia lets thee know, Thou art indeed the mooly breed, Oh Johny Bull my Joe.

Now Johny Bull my Joe John, we laugh to hear thy roar, We think it is the Wasr John, or Horner, nothing more; Our Constitution now John defies her every foe, Old Ironsides in triumph rides, Oh John Bull my Joe.

Now Johny Bull my Joe John, in commerce let's unite, We'll give you cheaper lead John, than in the field of fight; At Onleans it was dear John, I guess you found it so, The 8th will tell the tale full well, Oh Johny Bull my Joe.

THE FARMER.

BALTIMORE, FRIDAY, JANUARY 14, 1825.

LARGE LEMONS.

To the Editor of the American Farmer—with two Lemons, one of which was 131 inches in circum-

NER, presents him two Lemons on a twig, from a tree about eight years old.

Harlem, Jan. 4th, 1825.

Balt. Md. Ag. Society's Room, ? 11th Jan. 1825.

J. S. Skinner's respects to Mr. Edmondson, and acknowledges with many thanks his interesting present of two lemons on a twig-the fruit of most extraordinary size-evincing equally the skill and care with which they have been raised. They will be exhibited as a proof of both, at our next meeting of the Board of Trustees of the Maryland Agricultural Society, at Mr. Caton's, tomorrow week. This fruit is a native of Asiawhence it was brought into Greece and Italy, but in the days of Pliny they had not succeeded in raising it.-He says "It would not forget Media and

"With this the Medes, to lab'ring age, bequeath "New lungs, and cure the sourness of the breath."

It was cultivated in England, according to Lord Bacon, as carly as the reign of James the 1.; but it is doubtful if either he or his Majesty ever saw lany as large as those at Harlem.

IF It will be recollected that the next meeting of the BOARD OF TRUSTEES of the Maryland Agricultural Society, will be held at the residence of R. CATON, Esq. on Wednesday, the 19th inst. at 11, A. M. The List of Premiums has been prepared by the committee appointed for that purpose, and will be submitted to the Board for their

DONATIONS

TO SUBSCRIBERS TO THE AMERICAN FARMER, Deposited for distribution in the Society's Room over the Post-Office, since our last:-A variety of beautiful Oats-round white Beans-and Seed of a Russian Cabbage [all gone,] which stands the winter, and grows from cuttings. Also, a model of

an highly finished and ingenious instrument for pruning shrubbery, trees, &c.

PRICES OF COUNTRY PRODUCE, COLLECTED BY THE EDITOR OF THE AMERICAN

FARMER.

No material difference in the prices of articles generally. As to Tobacco, the holders of the fin ; est quality are waiting expected news from Europe, and holding on for better prices-That of inferior quality, such as has been selling for \$4 Branch, brought to market by Mr. Parson's, in high order, sold, a choice lot of 11, for \$6 per head, the remainder for \$5.50; the eleven averaged about 800 lbs .- Howard-street Flour, out of the wagons, \$4.37½ to \$4.50-Wharf Flour, \$4.25 -best white wheat, 83 to 85 cents-red, 80 cents, very little coming to market-best Turkeys selling in the market for from 621 to \$1-best butter in prints for table use, 311 cents. work to be noticed to be a proper to be a second

We stop the press to announce with deep heartfelt regret, the death of MAJOR GENERAL R. G. HARPER.

Much association with him, lately, as the most active member of our Agricultural Society, had served to make us better acquainted with his personal qualities; thus uniting, to great respect for his talents and integrity as a publick man, the sincere personal regard, inspired by his courtesv, generosity, and good feelings as a gentleman.

It was but yesterday that in the Circuit Court he displayed the unimpaired powers of a vigo-rous mind, rich in the stores of learning, acquired by the best education and the best directed indus-THOS. EDMONDSON'S compliments to Mr. SKIN-try; thus passing to the gates of death as it were in the recent footsteps of an illustrious compeer. He now lies a spiritless corpse in the house which was but yesterday the seat of elegant hospitality, and domestic happiness, a mournful illustration of the uncertainty of human life and human happiness.

- " Fate wings with ev'ry wish the afflictive dart
- "Fach gift of nature, and each grace of art; With fatal heat, impetuous courage glows,
- " With fatal sweetness elecution flows;
- "Impeachment stops the speaker's pow'rful breath,
- And restless fire precipitates on death."

CONTENTS OF THIS NUMBER.

Treatise on Soils and Manures-Devon Cattle, "in figure and points" not better in the opinion of the Easton Committee, than Cattle of the Eastern Shore-Politicks of Agriculture-To the Editor of the New-York Gazette-Constitution of the Pennsylvania Society for the promotion of Inter-Persia, and liking no other soil would suon die."

In all Improvements in the Commonwealth—Burning Clay—

Virgil says it is an antidote to poison and cure for Miscellaneous Items—Scraps from late English papers—

National Revenue—Johny Bull, a song, by a hunter of Kentucky; Editor's notices; Prices Current; Advertisement, &c.

Printed every Friday at \$4 per annum, for JOHN S. SKINNEH, Editor, by JOSEPH ROBINSON, on the North West corner of Market and Belvidere streets, Ballinore: where every description of Book and Joh Printing evecuted with rearners and despatch—Orders from a distance for PRINTING or BINDING, with proper directions promptly attended to, addressed to J. Robinson, Baltimore.

AGRICULTURE.

SHEEP—do not degenerate in Tennessee—immense number killed by dogs. WOOL—price of, at present—and prospects for future prices.

TO THE EDITOR OF THE AMERICAN FARMER.

Near Nashville, Tenn. Dec. 24th, 1824.

me was very thankfully received; and agreeably to your request, I will try and answer your seve-

ral queries in the Farmer, page 275.

their flocks from dogs.

wool in this country, I am at a loss to determine; but am inclined to think that the increase of population and the new tariff, perhaps, may give rise to new manufactures and improve those that are already in operation; all may have a tendency to improve the price, and hence encourage the growth of wool in every State in the union, that South Carolina.]-Edit. Am. Far. is well adapted to the growth of that article.

My flock is at present small, but I have had eight hundred hoad; they were very healthy and prosper well in this country: I now keep entirely ewes, and they average about five pounds of wool per annum; I do not wash it on the sheep's back, of, either in size or fleece; I have now samples tried it. of wool taken from sheep I purchased in 1814.lambs in March next.

benville, Ohio, and had it manufactured or ex-this? changed for cloth, and by doing so have made it

Your's respectfully.

MARK R. COCKRILL.

THE MEDITERRANEAN.

Georgetown, (D. C.) Dec. 28th, 1824. TO THE EDITOR OF THE AMERICAN FARMER.

ciently fresh in my memory as to enable me to more durable in its effects. say so much respecting the cattle of those coun-

I observed that the dark coloured cuttle are invariably preferred for milk, and the result of I queries in the Farmer, page 275. my enquiries at Genoa, Tuscany, and the island al labour, and is an excellent top dressing for It is much to be deplored that this State Legis. of Minorca, was, that a good cow usually gave grass, wheat or corn in the hill. But, used in lature has not as yet thought the matter of pro about 14 quarts of milk per day. In Tuscany the tecting sheep from dogs, worth legislation. Yet white oxen only are used for the draught, as I think it a matter of very great importance to also in Naples. The oxen of Naples were much the community at large, and more especially the the largest that I saw any where—many that I agricultural part; for it is most certainly high viewed working to the city of Naples, I believed decomposed vegetables saturated with salt water. time that the United States should grow at least to have been fifteen or sixteen hands high: they as much wool as they consume, and it will not be are of a lighter form and more active motion than done in many years without the several States in any other cattle that I have seen, and are purely the union make use of some means to protect white with the exception of the muzzle, ears, horns, hoofs, and tuft of the tail, which are black. We boast of independence, but we cannot do it I was informed by a person at Naples who had with propricty, even when we fail in raising as been supplying the French Government with timmuch wool as we consume. Every State ought ber, from forty and fifty miles distant, that they to use every reasonable means to protect her travelled from twenty to twenty-five miles per flocks, so that her citizens might at least raise a day, and that unless driven over fast, they apsufficiency of wool for domestic purposes, which peared not to be more affected by heat than hor-would encourage industry and economy. To show ses; from what I have seen of them in the city further the importance of a dog law: I, thinking it of Naples; and in the summer too, I believe his mortgage system of Maryland. The moment our likely that this fall the called session of our legis-character of them is not over drawn. He also lature would give the matter a due consideration, said that they were the offspring of the Hungari went round to ten or twelve of my neighbours, an bull and Spanish cow, or vice versa. I gave of a change of the existing system; and have none more than two and one half miles from me, my horse to Mr. Lusby, the gentleman at whose and got each one to state what number of sheep house you saw me on the Eastern Shore. My they had lost by dogs within two or three years mare I have here, but not in foal. I apprehend the past, and the amount was about six hundred, and hog from Spain in this climate has not hair suffi-1 did not see several that had lost a considerable cient to keep it warm, but its offspring may and number to my knowledge. Extend this to a State, will do better, for cold is scarcely less impoveror the United States, and think of the enormous ishing than hunger. At New York, a month since, the effects of the measure proposed, and that he loss, and all too, for the useless whims of keep- I found in the Navy-yard, one of the two casks ing too many dogs. of solid stalk wheat, which I had directed to be the state will derive from a favourable change.

Another reason why we should have a law to sent to you last summer, the other I could receive. In the whole circle of our political economy, we and lessen the number is no account of the circle of our political economy, we tax and lessen the number is—as the number is lessened, so the damages done by mad dogs in the like proportion will be lessened.

**Rother reason why we should have a law to sent to you rate summer, the one there will be sent to know of no one in which the holders of real es you early in the spring, to be divided between tate have so deep a stake, as they have in the like proportion will be lessened. As respects an improvement in the price of the Eastern Shore. It is perhaps suited for spring altered, and a simple summary and cheap system I am respectfully yours, JACOB JONES. sowing.

> [* The same as the cattle brought from Tuscany by Commodore Bainbridge, and S. Hambleton,

> > ---

FOR THE AMERICAN FARMER.

SALT-MARSH.

I send you a sample of my wool, and to show the see them made at great expense-but what com- method of foreclosing mortgages were enacted, size give the live weight of three Merino ewes I post bed can be superior to those of marsh, the it would not only frequently be of great convenithis morning weighed, No. 1, 92; No. 2, 105; work of ages, already prepared to our hands? ence to themselves in borrowing money when No. 3, 110 lbs.; they are very fat and are to have Its ingredients are rich alluvial earth, masses of they want it, but it would instantaneously enhance I have sent my wool for the last five years to shells, muscles, &c. all impregnated by salt. Can tum. What wonderful political improvements the manufactory at Harmonie, Indiana; or to Sten- any reasonable man desire a better compost than would result from a good system in this respect!

ON THE CATTLE ON THE SHORES OF more easily got out. As it does not freeze it should be drawn out in the winter on land intended for corn-and in the summer for wheat fallow.

Few who live on salt rivers or bays are igno rant of the value of sea weed-but one load of Dear Sir,-The information which I obtained well saturated marsh is worth two of that excelon the shores of the Mediterranean, is not suffi-lent manure. It is equally stimulating and much

Nothing is more suitable to receive hank-shells, Dear Sir.—The sample of Saxon wool you sent tries, as I wrote you from Gibraltar in 1822 or 3. or shell-lime—which are generally within reach

of those who have marshes.

If chopped fine it amply pays for the addition-

With such compost beds at command, no farmer need long complain of poor land.

CORNPLANTER.

Politicks of Agriculture.

FOR THE AMERICAN FARMER. BORROWING ON REAL ESTATE.

Among the bills originated in the House of eyes fell on the minute of the journal announcing the fact, we hastily recurred to the consequences since more at leisure contemplated them in their application to the circumstances of the holders of real estate. On a full examination of the subject, every one will be convinced of the great importance of the proposition, and we wish most earnestly that the mover has digested in his mind is prepared to illustrate the immense benefits be established? In looking back five years, and remembering the contingencies which affected the property and circumstances of many worthy men now utterly rained, we cannot repress the solemn ejaculation, how might they have been Esq. and now in possession of Mr. Middleton of saved, had they enjoyed the facility of borrowing money upon the security of their estates; but on account of the serious objections to the delay, expense, and personal trouble of foreclosing mortgages, they could find no one to lend! If we were required to say in what manner might the legislature of Maryland most benefit the people, I am persuaded that the value of marsh, as a we would most unhesitatingly say, by changing but from my experiments the wool loses in wash-manure, is not sufficiently known. Many of my the mortgage system. We have probed the subing clean about one-third. I do not think they neighbours who have thousands of cart-loads of ject to the bottom, and wonder that our farmers degenerate in this country when taken good care it on the margins of their fields have not even have not seen their interest in this question; and we will tell the owners of real estate, that there We hear much of compost beds, and sometimes cannot be a doubt, if a wise, summary, and cheap grass roots, leaves, rotten wood, sand, sometimes the value of their property twenty-five per cen-A new spring would be given to the whole agrichanged for cloth, and by doing so have made it generally worth fifty or sixty cents per pound in Although taken out in large tussocks and turned annually to perceive some scheme proposed to in, (the sooner the better, on account of the salt) amelion ite the condition of our people and reit greatly benefits the corn crop, and all suc-lieve them from pressing pecumary embarrass-ceeding crops, for several years. No manure is ments; but none that has led to any beneficial

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results. The one now proposed, would change duty on the importation of all woolens, which ren-thacco. The samples by which they had purchasthe character of landed estates, from being wholed ders it indispensably necessary to turn our attended, showed no damaged or cut tobacco. Thus be placed in more favourable circumstances;

TO THE EDITOR OF THE AMERICAN FARMER. Baltimore County, Jan. 12, 1825.

wery ably discussing the matter, comes to this may be owned or kept by them, or any other perthe purchaser and the seller afterwards to settle
the degree of damage or defect; but unless the
manufacturer, and that "Agriculture, the noblest of employments will prosper, &c." I perto be given for each and every fox scalp that may possible for him to guard against fraud. By this blest of employments will prosper, &c." I per-to be given for each and every fox scalp that may possible for him to guard against fraud. By this feetly agree with Amphicon that the former of be returned to the clerk of the courts of the se-these speculations is likely to be realised by de-veral counties; that the same bounty as hereto-on the planter, and offer additional grees; but in what way the agricultural interest fore given, be continued for the destruction of inducements to the purchaser, by assuring him is to be benefitted by it, is more than I can at wolves. These are merely hints, but we wish our that he would be protected against all deceit, is to be benefitted by it, is more than I can at wolves. These are merely hints, but we wish our that he would be protected against all deceit, present conceive; for should such a course of delegates to undertake something that may be be as he could depend on the sample and note the reverse to what he anticipates; the immediate consequences resulting from the loss of such annually about \$40,000, expect something at least a valuable customer as Great Britain would be, for their money-This is the wish of the the overstocking the markets with such agricultural produce as we are in the habit of exporting to that country-the decrease in value of such articles, in consequence, until they would become so low as not to reimburse the grower, which would in a great measure put a stop to their cultivation and leave thousands of acres idle.

All this it appears to me would be, for some years at least, evidently prejudicial to agriculture; and what new ideas and habits from which Amphicon expects so much, could do to relieve interest of the planter, the dealer and the ship-

us, I cannot fathom.

So long as America can grow more of agricultural produce than she can consume, so long it perfect confidence in the purchaser, that the samappears to me, will a foreign market be necessary as well as desirable; and the immediate consequences of an increase of manufactures, and the of course, unacquainted with the technical terms loss of our foreign market, would be to aggrandize the town at the expense of the agricultural in-

Emigration to this country and also the increase of population will, in some measure, relieve the farming interest; if this were not the case, supposing the speculations of Amphicon to be fulfilled, I fear we should have to deplore the return of this city to their original wild and savage state, from the inability of farmers to cultivate them for the interest of themselves or their connexions.

I am yours, &cc. A FARMER.

() 4550m FOR THE AMERICAN FARMER.

PROTECTION OF SHEEP.

ly a dormant thing, into an active, invigorating, it is a thome, to the growth of wool; unless this when sold in a foreign market, on the purchase, and inspiring basis of credit, performing to a great extent the functions of money, by becoming the out warm clothing, or submit to pay away half of gusted with the trade, or perhaps, may be ruined instrument of credit. How many farmers might the produce of our farms to purchase them from for the want of such laws as would give them seabroad. Owing to the immense ravages commit- curity and confidence that the sample by which how many more labourers might be employed, ted by dogs on our flocks, we are discouraged they purchased, was a correct specimen of the how many more acres might be productively cul- from giving to our sheep that attention they re- whole. I myself have seen tobacco come into our tivated, and how many families would be saved quire. Every man of discernment must have from ruin by a new and improved system of observed, and must have reason to complain of mortgage, who can tell! Let the legislature, let the great number of useless dogs kept throughout of it to Holland. The inspector gets to work, strips the representatives of our farmers examine well this state. Many poor who have not wherewith the hosphead, and cuts off from 50 to 150 lbs. of this subject—there is much in it, and in dis- to feed a pig, keep about them five or six half the wet or damaged ends or sides—he then breaks posing of it rightly, they may do lasting good,
In Pennsylvania and New York, their judgof sheep to satisfy their craving appetites—no man he put in with the draws, any portion of this dament bonds give facility for borrowing any amount on real estate, will any one say these states are not more prosperous than Maryland?

AGAINST HIGHER DUTIES ON IMPORTS.

who has a good dog would object to pay a tax for him—a worthless dog should not be suffered to live—We pay taxes for our horses, our cows, hogs, &c.; why should not dogs be also tax sound. Many who may actually have seen this capture of the form extern. We would therefore reany of the farm stock? We would, therefore, re-ken it as a gift, possibly in two or three months commend to our legislature to any a tax of \$2 on after, forgetting the mark or number of the cask, each and every dog within this state, and \$5 for or that it was damaged or cut, buy this same uneach and every slut; and that it shall be the duty der the impression that it corresponds with the Sir,—Amphicon, in his letter, inserted in your of the collector of the taxes of each district paper of 31st ult. addressed to the farmers of the throughout the state, diligently to enquire of the insert in the obacco note that the said hogshead be United States on the subject of the tariff, after head of each family, what number of dogs or sluts out, or not, according to the fact, and then leave events take place as he conjectures, it appears neficial towards suppressing the number of useless to give him a correct knowledge of the article he perfectly clear to me that the effect would be quite dogs, and to extend encouragement to the breed-purchases.

FARMERS.

Baltimore County, January 10th, 1825.

______ FOR THE AMERICAN FARMER.

THE TOBACCO TRADE

Tobacco being the principal staple of this state, I deem it to be of the utmost importance to the per, to have the laws regulating its inspection, so framed, and so enforced, as to ensure the most ple exhibited be a correct specimen of the hogs head it is intended to represent. I am no lawyer, necessary in wording a supplement to the present laws regulating the inspection of tobacco-I will, however, state some of the difficulties under which the trade labors, and attempt to suggest a remedy, and will then leave it with those whose duty it is to watch over the interest of the good people of this state, to apply such as they may deem adequate. The inspector of tobacco, under It is strange that there should be found in our county, a man who would object to the laying a which they could not possibly tell, or judge of, tax on dogs.—Government has laid a very heavy unless they had seen the cask taken off the to-

I send you these few hints, under the impression that you will see the propriety of there being a change in the laws, and solicit your able pen to urge our legislature to adopt such as in its wisdom it may deem adequate to remove the difficulty complained of by

FAIR DEALER.

Horticulture.

On the use of charcoal for the preserva-TION OF PEACH TREES—Remarks founded on experience and justified by reason. On the USE OF PLASTER AND THE CULTURE OF GRASSESwhy so many failures with grass crops. An example of EXTRAORDINARY IMPROVEMENT IN THE PRODUCTIVENESS of a Farm without foreign aid or materials except plaster.

TO THE EDITOR OF THE AMERICAN FARMER. January 7, 1825.

Dear Sir,-I enclose you \$12 for the arrears for the American Farmer, with which please credit my account: I have been an attentive reader of its pages since I became a subscriber, and have been pleased and benefitted by many of its esof many tracts of land even in the neighbourhond the present laws, deems it to be sufficient for him says. My attention has been strongly drawn to to make in the hogshead five breaks, to draw an the subject of the diseases to which the Peach average sample of the tobacco from those breaks, trees throughout the United States, have for maand to state in the note whether the same be of ny years been subject, and the proper and approcrop or second; but he does not interpret the priate remedies; here, as elsewhere, tanners' law as intending that he shall draw a faithful bark, drawn ashes, oil, lime, scapsuds, and a vasample of the whole hogshead? Many shippers have been most seriously defrauded by their have been most seriously defrauded by their have myself generally succeeded in preing bought tobacco according to the sample and serving my trees, by a careful examination of the note, placing confidence in the efficiency of our trunk of the tree and removing the worm in the laws and the honesty of the inspector, not suspect- early stage of its existence, or as soon as vegeta-

of those interested in the discovery of an effecting; whereas, in fact it arises simply from the cir-lin which it is desirable to cultivate particular tual remedy, cheap and easy in its application, I cumstance that they furnish no food for either the plants, and a tendency is discovered in them to beg leave to state, that a friend on a visit to me in clover or gypsum. If farmers will uniformly clear deteriorate, the introduction of seeds from her-May last, found me engaged in removing the their lands of weeds and sow clover with some feet plants is desirable, as their deterioration is earth from the trunks and roots of my trees, for other proper grass seeds, they will soon discover also progressive. Thus in Flanders they import the purpose of discovering the haunts of the that when they plough their lands, they will have almost every year their seed wheat, because they worms and destroying them; he stated, that he something left in the soil on which the plaster never produce grain in quality equal to the seed; had successfully applied charcoal to his trees, co-vering the soil about one or two inches thick, and composition, and leave a pabulum fitted for the extending about one foot from the tree; and that support of the clover when again cast. No soil amined lifty varieties of seed wheat imported by when the first parcel was applied, he observed will, generally speaking, re-produce the same velocity of this State, but could worms of the description in No. 41, of your paper, leaving their abode and attempting their escape over the charcoal, and that within a few minutes after their first appearance, five large worms for the production of the finer and more tender expired on the coal; the application was made in plants. I have seen a garden which I understood the spring of 1822, and he added, that his trees had been in use for a century, and probably mahad flourished to an unparalleled degree ever nured every year, (and to my knowledge very since; not one of them evincing any symptoms of many) refuse utterly to rear the common garden decay or disease since the application of the char-coal: he added, that he had repeatedly made ex-periments with ashes, tanners' bark, and a varie-qualities of the soil peculiar to the suscitation of ty of other articles without effect. I am inclined any plant are diminished, and at length exhaustto believe that this will on further trial be found ed, and require to be renewed by other vegetable efficacious, not only as a remedy against the rava-matter: animal manures will not supply the defiges of the worm, but as a valuable manure; py-ciency, nor do I believe that the application of rolygneous acid is not only destructive to insects, vegetable manure either in its raw or fermented but protects the body touched with it from their state, will have the effect on several kinds of of addressing you on two subjects connected with approach—and it appears to me, that the carbon crops; but that it must be produced by the ger contained in coal must be the operating cause in mination and growth of other seeds and plants. producing the destruction of the insect. Pulve- I have made it an invariable rule to mix my grass rised charcoal strewed over fresh meat will re- seeds, clover and timothy, in about equal porsist the progress of putrefaction; and on hams tious, and cast of the mixture from six to ten effectually protects them from the maggot, a quarts to the acre. The clover perishes the worm to which they are subject whenever place third year, the other grass has then gained comed in an exposed situation in summer. I would plete possession, furnishes me not only an abundhave made use of this remedy had I not removed ance of pasture, but when ploughed again an all the worms, or had I discovered any further in abundance of the best food for the succeeding crops, dications of their attack in the course of the sum - I have used plaster on many of my fields every mer. This, like many other discoveries, was the year for the last twenty; have never, except from result of accident. A blacksmith who had a circumstances peculiar to the season, experiencnumber of young peach trees, one of which stood ed a failure in my clover crop, or found my plas near his shop, was in the habit of casting the ter inoperative; but I also pay great attention to sweepings of his shop about the stem of this my barn-yard, and annually manure nearly thirty tree, and discovered that while his other trees be acres of arable land with its products—the consecture. came sickly, and at length nearly all perished, quence of this course of practice, has been to four-this flourished and bore abundantly; this circum-fold the products of my farm. When I purchasstance led him to make experiments on those ed it, it supported a few sheep, cows for the comwhich remained, and he soon found that they re- fort of the family, and the horses necessary to covered from their diseased state, and were in work the farm; there was neither hay nor proviperfect health in 1822; he stated to my friend, sions to spare of any kind; and I have this year up my fields when others finished theirs. Let that from his observation he was almost certain fed on it one thousand sheep, upwards of thirty me be understood. In this part of Virginia, we that it would be impossible for any of this de-scription of worm to exist under the application of charcoal. As it is imperishable in its nature, housed at least 2500 hushels of grain, and up-are to be fifteen feet wide: well, I begin seven it will be found the cheapest of all other propos- wards of 2000 bushels of potatoes: I have never feet from the extremity of the field, and run the ed remedies; and as it is a great absorbent of wa- purchased a load of manure for my farm; my plough to a point about the same distance (or seter, it must contribute to the growth and vigour system of improvement was based on the use of ven feet) from the opposite extremity, then I ter, it must contribute to the growth and vigour system of improvement was based on the use of turn to the right (not to the left as is usual) without the tree by gradually and in moderate quantigrass seeds and gypsum, and these have enabled out taking the plough out of the ground, and cut quired. The object of this communication is to lands to a great degree. give publicity to the remedy that full and fair experiments may be made by different persons in your patience; when I sat down it was merely various parts of the United States. As I have for the purpose of covering the money, and assurnot had an opportunity of ascertaining the effect ing you that I have been gratified with the result sing the ground to have been perfectly level when of this application, as a remedy from personal of your arduous and unremitted labours. But aghication, as a remedy from personal of your arduous and unremitted labours. But aghication of ploughing commenced,) it is of this application, as a remedy from personal of your arduous and unremitted labours. But aghication of ploughing commenced,) it is municated to the public.

sum as a manure. From the experience of twen will only add one single remark on the subject of ty years, I am fully satisfied that these effects are the introduction of foreign seeds:—probably everther result of bad management on the part of the result of bad management of bad management on the part of the result of bad management on the part of the result of bad management on the part of the result of bad management on the part of the result of bad management on the part of the result of bad management of bad management on the part of the resu

science, as it is the most important to the com- at the extremities, where a good water furrow is I have also observed great complaints of the fort and happiness of the human family, so it is left, and all of the rich mould, instead of being in failure of clover crops, and the inutility of gyp-also the most difficult to be fully understood. I a pernicious hedge-row is brought into cultivafarmer. The application of clover and plaster to some particular plant in its highest perfection; collecting always to turn to the right. worn out lands, as they are called, operates all when that peculiar tendency or property has most miraculously, and in the course of a few years been discovered, it appears to me worse than useout the tide water from reclaimed land, and to very much enriches the soil; and that the same less to introduce other seeds of the same species discharge the water whenever an opportunity ofcauses should cease to produce the same effect of plant, because it must be the work of time to fers. I am indebted to the American Farmer, in further increasing the fertility and productive naturalise them to their new climate and to carry (of a date which is now torgotten,) for the first

sure indication of disease. For the information ness of the soil, excites the astonishment of ma-lon the work of perfecting them; but in all cases the true secret in the first case is, uniformly to select the best of the crop for seed. I have ex-

> I am, dear sir, very respectfully, Your obedient servant,

Agricultural Correspondence.

EXTRACT TO THE EDITOR-ON THE TIDE TRUNK AND ON PLOUGHING.

> Charles City County, (Va.) Berkeley, Jan. 1st, 1824.

that occupation in life; the success of which I verily believe, we both have so much at heart .-The first is in relation to ploughing. When I took possession of my estate some fifteen years ago, one of the objects which particularly attracted my attention, was the effect produced by the usual mode of ploughing, in creating (what are here called) hedge rows, or considerable accumulations of the richest earth at each extremity of the field; these were generally occupied by noxious weeds, or grown up in sassafras, persimmon, or bushes the most difficult to eradicate; to increase the evil, water, falling on such parts of the field, ran immediately in upon the cultivated land, and rendered ditches parallel with the hedge rows necessary to take off the superfluous mois-

Perceiving that this was the inevitable consequence of the usual mode of ploughing, I was at once satisfied that if the practice was reversed. that an exactly opposite effect would be produced; I therefore immediately commenced breaking a second furrow close along side of the first, so as I have unintentionally trespassed greatly on to raise the bed in the middle; thus I continue the work, always turning to the right, and when I have finished the bed, the result is this: (suppothe operation of ploughing commenced,) it is

the cultivated land; within the trunk a door is road of 40 or 50 miles, with full powers over road these directions most particularly apply.

hung on hinges, sufficiently large to close the makers, gate keepers, &c.

aperture when the tide is up. The door is sus
The following directions for renaiving old roads

consolidated by use, the old hardened su and as the water is discharged from the land, presses against the top of the trunk; again as the tide returns, the door which requires some weight to bring it in a perpendicular direction when the upon a road, unless where there is not a quantity water is on a level at both ends of the trunk, is by the first motion of the tide pressed against the trunk to get out of order but in two instances, | ceed six ounces in weight. the first was when there was no weight to it, and the light wood, of which the door was formed, arewas pressed by a considerable discharge of water against the top of the trunk: the second was the point, for lifting the road. shortly after the first, when the door was cut by muskrats. A little sheet iron nailed on it obviates both of these evils."

ICE HOUSES-how best made.-Who can tell how to kill a pestilential weed called DAISY, or BULL'S ErE?

TO THE EDITOR OF THE AMERICAN FARMER. Rahway, N. J. Jan. 12, 1825.

Respected Friend.—Your correspondent asking information respecting ice houses, may be informed, that from the experience we have had, it is sufficient for a road thirty feet wide. best to have the ice surrounded with a wonden curb, having a small space between that and the thered off with a strong, heavy rake, with teeth to point out that a strict adherence to a straight wall.—When our ice house was built many years two and a half inches in length, to the side of the line is of much less consequence than is usually ago, we had such a curb made of posts and planks road, and there broken. On no account are stones supposed; and that it will be frequently advantapinned on them on the side next the ice—the ice to be broken on the road. then kept well, but thinking it too small, we re-moved the curb and filled all up to the wall with and none left in the road exceeding six ounces, ice, the consequence is, it does not keep as well the road is to be put in shape, and a rake employ over a hill, is greater than that which is describas before, although the quantity is greater—and ed to smooth the surface, which will, at the same ed by going round it, the circuit is preferable, we now intend to replace the curb, and as char. time bring the remaining stones to the surface,

4. "What is here said respecting level roads, coal is found to be one of the best non-conductors and allow the dirt to go down.

to extirpate it.

Internal Improvements.

[Communicated for the American Farmer.] CONSTITUTION

Of the Pennsylvania Society for the promotion of Internal Improvements in the Commonwealth.

[CONCLUDED FROM OUR LAST]

SECTION II. On the Repair of Roads.

idea of the one which I use, in which was repre- He ought to be provided with a full supply of brosented the trunk with a floating door; but al- ken stone, placed at proper distances—with an nature, that in lifting, it becomes sand. In this though mine differs from that in the door only, ox and ox cart—a roller—a rake—a shovel, &c. case, I recommend cutting down the high places, yet the difference I think all important. My A person fit for this purpose might be had for keeping the surface smooth, and gradually weartrunk is sunk below low water mark, having the probably 150 or 200 dollars per annum—hesides ing out the materials now in the road, and then extremity within the dam closed; then an aper- the expense of provender for the ox. A superview replacing them with stone of a better quality proture is cut in the top to discharge the water from sor ought to be appointed to every portion of a perly prepared. To roads made of freestone,

The following directions for repairing old roads, pended from the upper plank within the trunk, are taken nearly verbatim from Mr. M'Adam's

> 1. "No addition of materials is to be brought of clear stone equal to ten inches in thickness.

aperture and closes it. I have never known this ened up and broken, so that no piece shall ex-tention.

a. "Strong picks, but short from the handle to

b. "Small hammers about one pound weight steeled, with a short handle.

c. "Rakes, with wooden heads, ten inches in length, and iron teeth about two and a half in-there is but little difference in length between a ches in length, very strong, for raking out the large stones when the road is broken up, and for perfectly straight line. A road ten miles long

d. "Very light broad-mouthed shovels, to spread

the broken stone, and form the road.

4. " The road is then to be laid nearly flat. A

6. "When the large stones have been removed, inequalities of ground.

of heat, it has occurred to me that it would be still better to fill up the space between the planks and wall, with this substance.

Can any information be obtained through thy Farmer, as to the best mode of destroying the weed known here by the name of Daisy, or Bull's Eye? It is spreading to an alarming extent, and the field it seems almost impossible when once in the field it seems almost impossible in a swerten that a perfectly level road is always the best for every species of draught. Slight and short alternations of rising and falling ground, are serviceable to horses moving swiftly. They have time to rest tered over the surface, one shovel full, but scattered over the surface, one shovel full following another, and spreading over a considerable space.

8. "Only a small space of road should be lifted making and repairing roads by Mr. M' Adam—

at once. Five men, together, should be set to and a set, in imitation of them, has been ordered lift it all across. Two of them should continue by the Committee, which in due time will be exto pick up and rake off the large stones, and form hibited in some public place in Philadelphia, for the road for receiving the broken stone. The the benefit of Road Contractors. Suitable artists other three should break stones—the broken will be commissioned to furnish sets on the most stones to be laid on as soon as the piece of road reasonable terms. is prepared to receive them—and then break up another piece. Two or three yards at one lift is enough.

9. "To proportion the work among the five men, must of course be regulated by the nature of the road. When there are many very large There is reason to believe that the expense of stones, the three breakers may not be able to keeping turnpike roads in repair, might be dimi-keep pace with the two men employed in lifting Having seen an extract in the New York nished one-third at least by the following plan.— and forming. When there are few large stones, Statesman, from the Connecticut Mirror, wish-

11. "The stone on some roads is of so friable a

12. "When additional stone is wanted on a road consolidated by use, the old hardened surface of the road is to be loosened with a pick, in order to make the fresh materials unite with the old.'

In addition to Mr. M'Adam's rules for making roads, as given in the first section of this essay, the following observations from Mr. Edgeworth's 2. "The stone already in the road is to be loos- Essay on roads, are deemed worthy of public at-

1. "Roads should be laid out as nearly as may 3. "The tools to be used in repairing roads be in a straight line. But to follow, with this view, the mathematical axiom, that a straight line is the shortest that can be drawn between two points, will not succeed in making the most commodious roads. Hills must be avoidedin the head; the face the size of a shilling, well towns must be resorted to-and the sudden bends

of rivers must be shunned.

2. "It may perhaps appear surprising, that keeping the road smooth, after being relaid, and and perfectly straight, can scarcely be found any while it is consolidating. were curved so as to prevent the eye seeing further than a quarter of a mile of it, in any one place, the whole road would not be lengthened rise of three inches from the side to the centre is more than one hundred and fifty yards. It is not however, recommended to make serpentine roads 5. "The stones, when loosened, are to be ga-merely for the entertainment of travellers; but geous to deviate from the straight line to avoid

3 Where the are described by a road going

must not be strained to an assertion that a per-

8. "Only a small space of road should be lifted making and repairing roads by Mr. M'Adam-

Rural Economy.

From the Free Press.

ON THE PRESERVATION OF BEES.

Let the road, as soon as completed, be divided the contrary may be the case. Of all the survey- ing information how to prevent worms from deinto sections of six, eight, or ten miles, as experience may dictate. To each section let a man 10. "But while it is recommended to lift and I have had, since adopting the following plan: stroying bees, I cheerfully give what experience be appointed, whose duty it shall be to proceed relay roads which have been made with large Make the hive of good seasoned boards (either daily, or every other day, up and down his porstone, or with large stone mixed with clay, chalk, pine or whitewood) as tight as practicable. In tion of the road, to fill up ruts, cut small drains or other mischievous materials, there are many the lower end, that sets on the bench, drive in to carry off the water, remove all stones that obstruct the wheels of carriages, and, in a word, to lift and relay a road, even if the materials should vent mice getting in between, and let them stick repair any damage that may arise in the road.— have been originally too large. For instance:— out so as to raise the bottom of the hive sufficient-

ly high from the beach that the bees can pass in and out all round at pleasure.-The worm owes its origin to a species of butterfly, resembling the candle-fly, probably the same. It is about the bce-house, particularly in the evening; and when the hive is set close upon the bench, deposits its eggs in small cracks under it, which in time forms a worm. It remains some time in a torpid state—then ascends the hive at night, and secures a retreat in the comb, which baffles the vigilance of the bees to dislodge it. I drew the conclusion from the slothful disposition of the worm, that it must be engendered in the immediate neighbourhood of the bees; and after trying a number of experiments, adopted the one above described, as being the most certain means of baffling all its efforts to get possession of the hive.

This last summer, my bee-house being full, I set two late swarms outside, on a bench—intending to take their honey early in the fall. The hives having no nails in them, were raised by a small block placed under one side, to let the bees pass in and out. In the fall, when I moved red, sir, that in proportion as you can excite a them, both hives had worms under the edges that set close to the bench; and a worm has not been seen near any of the other hives, this season, that were set in my usual way. I will here remark, as a preventive, never to put a swarm into a hive that has been standing any time in the bee-house, without first pouring in hoiling water, and rinsing it out; and if there should be any cracks, fill them up on the outside with a whitewash of lime.

If you consider the above information of any importance, please give it a place in your paper,

and believe me to be a

FOE TO PIRATES.

December 5th, 1824.

Domestic Economy.

BORING FOR WATER.

New-Brunswick, Jan. 5, 1825.

TO THE EDITOR OF THE AMERICAN FARMER.

Sir,-Your favour of the 31st Dec. was duly received, by which I am given to understand that enquiries have been made respecting my new

mode of obtaining water by boring.

And, Sir, I can say, without fear of contradiction, that the principle is good, that is, the experiments which I have made have all proved successful to my full satisfaction, and to the complete 1.—Description of Skates, and the manner of satisfaction of my employers-and my having undertaken and completed three wells, I feel confident that water may be obtained in most all places whatever by boring deep enough, which will be different depths in different situations. The first well that I undertook to bore I obtained water to it retards the progress, by rendering the move-flow over the surface at 140 feet, or thereabouts; ment less secure, and may occasion falls. The the second one I have bored 215 feet; the third bottoms should be of good steel, well tempered, I have bored 132 feet, and the water just begins and very hard; those which are too thin and to flow over the surface.

Alexandria, to bore for water for the town of which are nearly a quarter of an inch thick to Alexandria, and I expect to go on to that place those which are narrower. The greater part of within a week or two, then I will do myself the skates which are used in the north are growed, pleasure of stopping a few hours in Baltimore.-All enquiries respecting water-boring will be promptly attended to; and any communications will be thankfully received, Sir, by your most toined to skates whose irons have a plain face humble servant,

LEWIS DISBROW.

soft water: the water did not flow over until I about three quarters of an inch. Those which had bored down 200 feet, but then it will be understood that it is an eminence of about 50 feet above the level of the river, and low grounds in the neighbourhood.

L. D. Who has hares to destroy them, I know to be in about three quarters of an inch. Those which had better out of his plantations pretty well, and, if he cannot do this, he had better not plant. This puts me in mind of a longer in a perpendicular direction, the passage in Thomson's Seasons, in which the poet wood may easily touch the ice, and occasion a calls upon "Britain's youth" not be so cruel as

Sporting Olio.



FOX HUNTING.

TO THE EDITOR OF THE AMERICAN FARMER.

Sir-1 am happy to see you are disposed to promote a taste for rural and field sports. Be assurelish for such amusements amongst country gentlemen, and lay open such fields of entertainment for the leisure hours of the young gentlemen of the town, in that proportion, you put down drinking, gaming, gormandizing in cook shops and oyster cellars, and unsocial and pernicious debaucheries of various kinds. Anxious to aid you in what I believe will cheer the heart, liberalize the mind, and invigorate the constitution, I authorise you to offer to any gentleman or company of gentlemen, within striking distance of Baltimore, at least one dozen of very superior hounds, if they will promise to keep them well and hant them well—I must have an answer within two weeks.

ON SKATING .- The exercise in question is learned with great facility, if we begin young and have the advantage of being instructed by a good skater. The principal thing is to take care that Oct. 29. the skates are well made, and to fix them on in the most commodious manner. This exercise is so easy that it is scarcely necessary to prescribe any rule to young persons when they have good examples before their eyes. It suffices, by way of precaution, to make them observe, that when of sporting, which I take the liberty to commuthey go alone they must lean the upper part of nicate. the body forward till they have acquired the equilibrium.

nutting them on.

When we buy skates, we should choose them with the wood not longer than the sole of the shoe. When the wood of the skate projects beyond the sole of the shoe, either before or behind, weak, break easily, and cut too deep a track in I have contracted with John C. Vowel, Esq. of the ice, therefore we should always prefer those and have two edges. This form may be useful, beause it hinders the foot from slipping when it gives the impulse. However, those who are accuswill gow with as much security, and even faster than those which have others. It is essen-N. B. The water on Mrs. Griffith's estate flows tial that the iron he of the same height from over the surface, without tube, of the finest pure the beak to the heel. The common height is soft water: the water did not flow over until I about three quarters of an inch. Those which

slip. We must especially take care that the iron be well secured in the wood, for the most important thing in this exercise is to have the skates properly fixed. In those which are commonly employed there are three points in the hinder part, which fasten themselves into the heel of the shoe as soon as the straps are tied and we begin to stand upon them.

II .- Elementary Exercise.

The greatest difficulty being to balance well on bases so narrow as those of skates, it will be very advantageous to teach young persons to walk with them in a room before going on the ice, and to balance themselves sometimes on one foot and sometimes on the other. These preparatory exercises will soon enable them to tie on their skates themselves, which though simple in appearance, is certainly an essential preparation.-In order to prevent sprains, on first making use of skates, we should give our hand to some one near us, or hold fast by the surrounding objects, till we are sure of our equilibrium.

Thousand Guinea Match .- The great foot race for 1000 guineas, between Capt. Parker and Metcalf, the pedestrian, was run this day a little after one o'clock, on the foot path from Bennet-thorpe to the Blue Bell, over the south road at Doncaster. The Captain received 40 yards at starting out of a mile. Before they had run three hundred yards, Metcalf had gained the 40 yards given, and passed the Captain, when he had it all his own way (running back wards and walking); his opponent gave in after he had run about three parts of the distance. The winner did 1080 yards in five minutes and twenty-six seconds. Several sporting men were present, and money to a very considerable amount was bet; immediately before starting, six to four on Metcalf. The Captain was dressed in light blue silk jacket, white cap, and buff shoes; Metcalf in pink .- Doncaster,

From the National Intelligencer.

You will confer a favour on a subscriber to your paper, by publishing the following account

On Wednesday, 22d December, a party of five gentlemen, Severn Teackle, James Polk, Sam'l McBryde, Robert J. H. King, and Henry P. C. Wilson, assembled in Somerset county, Eastern Shore, Maryland, at Arlington, the residence of John C. Wilson, jun. for the purpose of partridge shooting- They returned in five hours, having bagged forty-four brace of partridges.

Shots of each person.

H. P. C. Wilson,			26
Severn Teackle,			20
James Polk,	- 1		20
Sam'l McBryde,			12
R. J. H. King.			10

HARES.—In a late number of his Register, Mr. Cobbett, in an article on American trees, has the following passage:-"Let me (while it is in my nead) observe, that those pretty little creatures, the hares, are most destructive devils amongst young trees; and that they are particularly fond of the locust, which they will bark after these get to be as hig as your leg. To advise any man who has hares to destroy them, I know to be in to pursue the timid inoffensive hare; but to put; forth their generous ardour, in order to destroy you are to count great quantities of field-mice that he destroys; whilst the hare is indeed the most timid; but, except the rabbit, certainly the most mischievous animal in existence. She will cut you off two or three hundred young trees in a night, out of mere sport. She will stand up upon her hind legs, nip off the leading shoot of a tree more than three feet from the ground,* and this out of pure mischief, for she does not eat a bit of it. I once planted some small trees in rows very close together. The hares did more mischief amongst these trees in one single night, than the foxes had done in the hen-roosts of the farm in twenty years. When people write about seasons, they should understand something about country affairs, and not be little sinecure placemen, pent up in London."

[* An American gentleman, lately from England, in himself an example and promoter of liberal sporting, partook in that country of the pleasures of the English chase—both in fox hunting and hare hunting .- He says the English hare is as large again as ours, and thus explains, how it is that the pursuit of the English hare affords such fine sport :- It is not uncommon for an English hare to run 15 or 20 miles before they are caught-But fox hunting is altogether unlike hare hunting, having in it much more of enthusiasm and animation.-Hare hunting is pursued with harriers, and a perfect harrier will always have his nose to the ground and puzzle for an hour sooner than leave the scent, while the fox hound full of life and spirit is always dashing and trying forward.]-Edit. Am. Far.

-00 DISEASES OF DOMESTIC ANIMALS AND THEIR CURE.

Strain of the Back Sinew .- The flexor tendons is secreted, which enables them to move readily upon each other; in several parts, however, we tendon to the other: in violent exertions these membranes are ruptured; hence arises a greater or less degree of inflammation, swelling, and tenderness; in severe injuries coagulable lymph is effused, constituting the callous enlargement of old strains. An erroneous idea of the nature of in its natural state. Rest is the grand remedy for teeth or nippers; the cuspidata or tushes; and strains, and without it all others will prove inefthe molares or grinders. The horse, like most feetnal. It is by many supposed, that turning a other quadrupeds, has, during life, two sets of horse to grass, when strained in the back sinews, is a better plan than keeping him in the stable; this, however, is by no means the case: at grass a horse will generally take so much exercise, as wet with the following lotion, is, perhaps, as good a remedy as can be employed for recent strains: as it cannot well be moistened during the night, it is better then to leave it off, and apply it again bandage would be injurious:

Take Sulphate of zinc. four ounces; Acetate of lead, six ounces;

remains in the leg after the inflammation has subare never proper until that period.

first essentially necessary; blistering the pastern must have separated and made them wide apart is also proper. It should be laid down as a gene-as the jaws increased. The manner in which the is also proper. It should be laid down as a general rule in the treatment of strains, of whatever inflammation in the part, rest is absolutely neces- teeth upon their roots; this causes a gradual absary; and that, when the inflammation has subsided, moderate exercise is highly proper.

attacking them generally during the fourth and points, from wearing unequally; this is somefifth year. It consists in a swelling under the times so bad as to hinder mastication, and wound jaws attended with cough, dullness of the eyes, the inside of the cheeks; it is necessary in such The strangles sometimes attacks in a more seing, and sometimes even to threaten suffocation, crease of some one tooth. In this case the part should be frequently and indeed almost constantly fomented; or a large poul-ling in a discharge of stinking matter from its cleft tice should be applied so as to be completely in or division; sometimes the other parts of the frog contact with the swelling: this, however, is not are also affected, becoming soft, and ragged, and easily done; and I think upon the whole, it is bet-incapable of affording protection to the sensible ter to trust to the fomentation, by which the tu- frog which it covers: having removed the shoe, mour will be brought to suppuration, and then the pare away any ragged parts there may be, so as horse will be relieved. When the swelling has to expose fully the diseased surface; after clean-burst or been opened, (and unless this opening is ing the frog perfectly, apply a solution of white of sufficient extent to give free vent to the mat- or blue vitriol, and a short time after, pour some ter, it may be retained, and form sinuses or a melted tar ointment into the cleft of the frog, and fresh tumour,) it may be dressed with digestive let its whole surface be covered with tow that has or back sinews, as they are commonly termed, ointment and kept clean; by such management been dipped in the same ointment, and upon the consist principally of two tendons; one termination it will soon get well. I have generally applied to place a flat piece of wood about the width of ing in the bottom of the coffin bone, the other in some stimulating ointment, or a blister, to the the frog; one of its ends passed under the toe of the pastern. The latter serves as a sheath to the throat, when there is great difficulty in swallowformer. Between these tendons a slippery fluid ing, or a severe cough; and when the blister has the frog and bound down by transverse slips of produced its effect, have employed the fomenta-tion, as before directed. As to the period when shoe. The moderate pressure thus supplied will may observe membranous bands passing from one it is proper to open the tumour, I would by no contribute materially to the cure, and to the remeans advise its being done, until the whole of production of solid horn; this dressing must be it has become soft. When a horse is recovering repeated daily. Thrushes are sometimes attendfrom strangles, and has regained his appetite in ed with inflammation of the foot and lameness, some degree, a mild dose of physic should be particularly when the heels are much contracted.

Teeth.—A horse has forty teeth when he has strains very commonly prevails: it is supposed to completed his full number; the mare usually only consist in an extension of the tendon: but in distinction there is always found are divided into three kinds: the incisores, cutting usually appears at or soon after birth, the others appear gradually as the temporary set fall out, and the change is completed during the fifth year will tend rather to increase than diminish the of his age. It is a curious fact, that though the ly of American wool. lameness. A flannel bandage, kept constantly two sets of teeth appear with an interval of some years between them, yet the rudiments of both are formed nearly at the same period; at least we know, that as soon as the temporary or coltteeth are evident, the traces of the others can be

the pressure of the first; thus, when one of the first set is drawn, its place is soon filled up by one the nightly robber of the fold. What poor snivelling philosophy! Pope would not have said this. The fox, very seldom, if ever, robs the fold, and very rarely even the hen-roost. He lives chiefly upon wild animals, and amongst these very severe strains it is adviseable to bleed and one of the formula of the second or permanent set; and this appears to be a reason for their early formation, that they may always be ready to fill up any accidental displacement that may occur before the usual perilare of read, six ounces;

Water, three quarts;

Vinegar, one quart.

In strains of ligaments of the force or hind legs, the same mode of treatment is to be adopted.—In placement that may occur before the usual perilare of the second or permanent set; and this appears to be a reason for their early formation, that they may always be ready to fill up any accidental displacement that may occur before the usual perilare of the second or permanent set; and this appears to be a reason for their early formation, that they may always be ready to fill up any accidental displacement that may occur before the usual perilare of the second or permanent set; and this appears to be a reason for their early formation, that they may always be ready to fill up any accidental displacement that may occur before the usual perilare of the second or permanent set; and this appears to be a reason for their early formation, that they may always be ready to fill up any accidental displacement that may occur before the usual perilare of the second or permanent set; and this appears to be a reason for their early formation. give some opening medicine; and if any swelling stance, and by drawing some of the colt's teeth make him appear older than he really is. It was sided, blistering or firing is necessary, but these essentially necessary there should be two sets of teeth; for as they grow but slowly in proportion Strain of the Coffin-joint.—This is productive to the jaws, had there been but one set, the dis-of a very obstinate lameness: perfect rest is at proportion in growth between the teeth and jaws temporary teeth are removed is very curious; it kind they may be, that, during the existence of is occasioned by the pressure of the permanent sorption of the roots, so that after a time, having no support, they fall out. The grinding teeth of Strangles .- A disease incident to young horses, the upper jaw are sometimes found to have sharp and some degree of fever: soon after a discharge cases to file them down with a concave or hollow from the nostrils usually takes place, the swelling rasp that is made for the purpose. We someincreases, becomes tender, and at length supput times flud next the first grinding tooth of the uprates. The abscess, if not opened, bursts, the per jaw a very small tooth, which farriers call a horse is relieved, and gradually recovers. This woll's tooth; this is supposed, but without foundais the usual progress of the disease when left to tion, to cause a disease of the eyes. The edge nature; and I have known many colts get through of the first grinder is sometimes found considera-the disorder at grass without any assistance.—bly higher than the other parts of the tooth; this projecting point may be knocked off with a blunt vere form; the swelling and inflammation of the chisel; another species of wolf's tooth is what throat are so considerable as to prevent swallow-the French call surdents, and is a diseased in-

Thrush .- A disease of the horse's frog, consistor drawn together so as to compress and inflame the sensible frog; in this case a poultice is proper for two or three days, by which the horn will be softened, and the contractile tendency diminished.

American Manufactures .- A piece of domestic broad cloth has been received and exhibited teeth; a temporary and a permanent set; the first in this city, which is said to surpass any American cloth seen here, in softness of texture, and elegance of finish. It was manufactured by Messrs. Wells & Co. of Steubenville, Ohie, and is entire-

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Darien, (Geo.) Dec. 14.
Something novel.—A mulberry tree, before our door is now yielding ripe fruit, and a friend of as early as possible in the morning, for the dry distinguished immediately under them, and are ours of the Hopeton plantation plucked a ripe only prevented from making their appearance by damson plumb from one of his trees, on the 9th,

Publick Institutions.

MARYLAND ACADEMY

OF SCIENCE AND LITERATURE.

At a meeting of this Institution, held at their rooms, on the last Saturday in December, the following Officers were elected for the present year

President, . . L. H. GIRARDÍN, I. L. D. Vice-Presidents, H. H. HAYDEN,

J. T. DUCATEL. P. MACAULAY, M. D. Secretary, WM. FRICK. Treasurer,

Librarian, . . GEORGE FRICK, M. D. Curators, . . . J. S. SKINNER,

JOHN BUCKLER, M. D. P. T. TYSON, JOSHUA I. COHEN, M. D.

The highly useful and important effects of this Institution does not seem to have attracted as yet that attention which it richly deserves; for the the rays of Geulogical light now beaming here knowledge is power, it is chiefly when confedera-Institution does not seem to have attracted as yet pursuits which are embraced in its scheme greatand there through the state, may be made use fully to concern the prosperity of States, and the benenit and happiness of mankind. In presenting to our readers the following brief outline of this astries, likewise have it in their power greatly to bers of the academy will receive, with pleasure, and there through the state, may be made use fully to converge. Captains and officers of ves sels, and other gentlemen visiting distant countries. It is the well-turnly when the distance of the academy will receive, with pleasure, and there through the state, may be made use fully to converge. Captains and officers of ves sels, and other gentlemen visiting distant countries. sociation, we hope to elicit, for purposes of gene- assist the collateral objects of the academy, by such contributions in minerals, plants, bones, and ral benefit, the active co-operation of a numerous their attention in procuring the rarest and most and intelligent community.

classes, the one of Science, more particularly Na-the same. The ocean, the seas, and the waters

ture or Belles Lettres

By the class of Science, much has already been tlemen, the academy is at this early stage of its of the class of science in this academy are not jects, to this highly important undertaking. existence, indebted for an extensive collection of merely speculative and theoretical. If on the mineral substances, from all parts of the globe, one hand natural history opens enchanting vis-and for an herbarium, containing several hundred tas, and affords ceaseless delights of the purest native plants. It has, moreover, the prospect of forming a Geological Cabinet of considerable in terest—in short, it rises upon a basis exhibiting, if not sudden brilliancy, at least a very flattering promise of progressive usefulness and future sta-

bi ity.

search, observation and discovery which a field so prize, research, experiment and labour .- The above mentioned, as well as common water. immense as the Natural History of Maryland members of the academy do not intend solely to opens before them. Engaged, like other citizens, contemplate nature with the poet's or the paint-

To gentlemen of the learned professions throughout the State, the present appeal is more confidently addressed. They can readily appreciate of science tender their services to their fellowthe objects of the academy; and they will no doubt, deeply participate in the gratification arising from enlarged views of the works of nature. has undergone. From this globe, countless gene without any charge or expense whatever. rations of men have been swept away by the hand

tally disappeared, or left only a few melancholy rains, but the wonders of the natural world still remain in their original majesty-physical Monn ments still exist in their primitive grandeur and culated to aid and adorn each other. sublimity, to attest the awful conflicts of nature and the elements. They offer, as it were, vene- Academy of Science and Literature, have entertor himself, and legible to every observing eye .-To record and elucidate these grand phenomear manner the desire of the academy. In this it may be ultimately attended with the happiest they are stimulated and encouraged by the exeffects. They look not so much to their own American Geologists.

Of late the geological science has made an as-The Academy under view, is divided into two countries, and by their politeness in forwarding caulay, or the Editor of the American Farmer.

kind, on the other, it has in prospect abundant mines of discovery intimately linked with the interest and prosperity of agriculture, the mechanical arts, manufactures and commerce. At precitizens, only claiming in return donations of such natural productions and curiosities as have

sults of human skill and labour, have either to jof its existence will, it is hoped, be sufficient to induce literary gentlemen to join it, and thus promote the contemplated union of pursuits, which, if not necessarily allied, are at least cal-

To conclude—The members of the Maryland rable inscriptions traced by the hand of the Crea ed upon their scheme of association, and now proceed in the execution of the same, with a strong conviction that if earnestly assisted by na, and facts connected with them is in a peculi | their fellow citizens in the manner above stated, ample and success of many European and some gratification in the pursuit of favourite objects as to the benefit of the community at large. Their association may at least produce two very tonishing progress—leaving, however, several beneficial results. It may excite in many parts links in the immense chain of facts and observa of the state a spirit of profitable enquiry—and tions yet to be supplied. These facts and obser-concentrate that intellectual strength which is vations must evidently be derived from various now partly inefficient, because divided. If, accorknowledge is power, it is chiefly when confedera-

other objects of natural history as may be for-

In our next number we shall present our reatural History, and the other of General Litera- in general, are comparatively but little known. ders with the Constitution and By-laws of the Their rich and diversified productions may be Academy, that scientific and other intelligent said still to present a new field of research and gentlemen may avail themselves of the opportunity effected. To the active zeal and spontaneous liberality of some of its members, and of other gengentlemen may avail themselves of the opportu-

Recipes.

FOR THE AMERICAN FARMER.

Method to cause Indian Corn to come up speesent, we can scarcely be said to know one half of dily and regularly:—Steep the corn for 30 hours the valuable treasures with which the bounteous before planting. This method is highly benefici-It is evident, however, that the individual ex- hand of the Creator has enriched our country, al by causing the corn to come up in an equal and ertions of the members composing the class of but to the discovery and improvement of which uniform manner. Try this method with water in Science, cannot embrace the whole range of re- he has annexed the exciting conditions of enter- which horse litter has been steeped for the time

To make good Vinegar: - Take ten gallons of in busy and multifarious occupations, their labours er's eye—they aim at being practical naturalists. apple juice, new from the press, and suffer it to for the advancement of natural knowledge, must Chemical analysis will make them better ac-ferment fully, which may be in about two weeks. necessarily be limited to the productions and quainted with the composition and properties of —[It is supposed that a shorter time in warm phenomena, which the immediate vicinity of Baltheevarious soils in the State of Maryland. Their weather will do.] Then add eight gallons of like timore may present. Hence, in their anxiety to enlarge their cabinet, they earnestly request the the existence of substances useful to the farmer, in two weeks more add another like new quantiaid of their countrymen in collecting, preserving, mechanic, manufacturer, physician, &c.—I'hey ty, for producing a third fermentation. This third and forwarding to the academy any object calculation of the very slight chances of dis-fermentation is material. Now stop the bunglated to illustrate the Natural History of the covering gold or silver, but is it unreasonable to hole with an empty bottle, with the neck down-STATE. They likewise request the communication of any interesting facts connected with Geoloand of no advantage either to their owners or to When the vinegar is come, draw off one-half into gy, Mineralogy, Botany, Zoology; for natural as well as political history is essentially composed of facts, with this difference, that the facts of the former possess a permanent, and those of the latter, only an evanescent interest. or medicinal salts? For the investigation and gar, let there be a moderate degree of heat, and analysis of such objects the members of the class use access of external air.

To cure the Yellow-Water in Cattle, (Horses.) such natural productions and curiosities as have - Take antimony, refined saltpetre, (that is clear already been alluded to, not for their exclusive and good,) flour of sulphur, cream of tartar, two of the structure and composition of our globe—of the rich and diversified productions spread on its tention to make their cabinet accessible to all quantity. Give the horse, &c. as much as will lav surface, and of the mighty revolutions which it zealous and active votaries of natural knowledge on the point of a new case knife—(say on a ninepenny piece, or a pistareen)-three times a day, rations of men have been swept away by the hand of time; stupendous fabrics, once the proud rejects of the class of literature, the bare mention. The horse must not be used at all until some time after he is well. Mix the flour of sulphur and cream of tartar .- Proved.

A Cure for the Cancer .- We are informed that a son of Mr. Carter Harrison, of Prince-George's county, has been cured of a cancer by the applitember, 1781. In the summer and autumn cation of the dock root. The dock used, in this the men were very destitute of clothing. The root was boiled. The cancer bathed with paragraph in the newspapers, but as your jourthe decoction-(it is presumed it should be strong) and the pulp applied to it. (Petersburg Intelligencer.)-The same paper repeats this publication, as a circumstance literally true, and to founded assertions.* be depended on.

To bake a Loggerhead Turtle .- Cut its throat and hang it up by its hind legs to drain; when as it is gentle.]-Edit. you think it has bled all it will, cut it up, take all the meat out of the shell and wash it in many waters till perfectly cleansed; then cut it into small pieces, put it into a pot with three pints of water, let it stew slowly till perfectly soft; then take it off the fire, and season it with pepper, salt, a small teaspoonful of mace, beaten fine, the same of cloves, a tablespoonful of anchovy liquor, or of catchup, three of Madeira wine, chop onions, parsley, thyme, sweet marjoram, winter savoury, sweet basil-(the quantity must be at the discretion of the cook or taster)-stew it among your turtle, and stir it well up, put it into your baking dish and bake it. It is a great fault to bake it too dry. Put paste around your dish, garnish ring the year one thousand eight hundred and with force meat balls, hen's eggs, boiled hard, or ring the year one thousand eight hundred and fried bacon.

The soup exactly the same, only instead of three pints of water, two gallons-and serve it up in a tureen. Instead of baking it in your oven, it requires so much stewing, that I generally prepare it one day to eat the next.

Brain-Staggers-A disease common to domestic animals, and to calves amongst the rest .- They are supposed, in the case of calves, to be caused, sometimes, by eating the blossoms of whortleberry bushes. In all cases brain-staggers, may, we are told, be cured by splitting the skin of the forehead over the brain, and separating it from the bone sufficiently to introduce under it a small quantity of fine salt. As soon as the salt dissolves the animal is relieved.

To save Red Clover seed .- One method is to take a common grain cradle, place the lowest finger as near the scythe as you can; then fasten a piece of linen or other cloth on the backs of the lowest two fingers, stretching from one to the other. The man then cuts a swarth, taking off only the heads, with as little of the straw as possible, and lays it as he would wheat, in a straight

dutch oven, and then ground in a common spice or pepper mill.

0 TO THE EDITOR OF THE AMERICAN FARMER.

CORRECTION.

In your last number you have copied from the newspapers, an article that "General Greene stated, that at the battle of Eutaw springs, hundreds of my men were as naked as they were born," with an observation that the brave men were galled with their cartouch boxes, &c.

There is no truth in the statement, and I am antimony together; then add the saltpetre and confident that no anthority from General Greene be, and he is hereby directed to furnish forthwith can be shown for so unfounded an assertion .- Our one copy to each member of the Board, in order men on that occasion were not much in want of that the scale may be finally acted upon at the clothing.

The action at the Eutaws was on the 8th September, 1781. In the summer and autumn of 1782 premiums will be acted upon by the Trustees,

I did not think it necessary to contradict the nal is more likely to descend to posterity, I think that its reputation requires that you ought to be careful not to copy from newspapers such un-I am your ob't. serv't. JOHN E. HOWARD.

0 RARE PRODUCTION.

Fat Pigs .- Three pigs, raised by Mr. Absolom Wroe, living on 7th street, in this city, (Washington) aged between 11 and 13 months old, were killed on Thursday, and the nett weight of them was found to be as follows:—No. 1, 327 lbs: No 2, 368½ lbs: No. 3, 419 lbs. These pigs were exactly the same breed as that which obtained the premium at the Maryland Agricultural exhibition a few weeks ago.

A report of the tobacco inspected at and de-

	Domestic growth.	Growthnot of this state.	He-in- spected.	Total
Number in-	44			44
Number de- livered.	57			57

DAVID STEWART, Inspector.

this office. B. HARWOOD, Tr. W.S. Md.

THE FARMER.

BALTIMORE, FRIDAY, JANUARY 21, 1825.

that the premiums for horses were not judiciously " will take five hundred dollars for the two, to be awarded at the last Cattle Show. That may, or delivered in the District of Columbia, if sold it may not be; but does he not see that no deci- "within six weeks; which sum will not more sion can ever please every one? If there were "than re-imburse me all that they have cost me. between the objects exhibited, no room for difference of opinion, there would be no use in ap-pointing judges. With all respect for the mosible, and lays it as he would wheat, in a straight row—He then turns to his left hand and cuts back again, laying up on the first row. By this method much time is saved in raking, and most awards of the glover is left on the ground, to be turn

an oil mill-for making linsced oil from flaxseed.

At a meeting of the Board of Trustees of the

Resolved, That the Corresponding Secretary

next meeting.

Resolved, That no amendment to the list of except it be reduced to writing before the next

meeting of the Board.

On motion, Resolved, That James C. Gittings, Esq. be elected a member of this Board, to fill the vacancy occasioned by the lamented death of General Harper; and that the Corresponding Secretary notify him forthwith of his appoint-

John B. Morris, Esq. was then elected a mem-[* This reproof we acknowledge to be as just ber of the Board of Trustees, in lieu of H. Car-

roll, Esq. who declined acting.

In was then resolved to hold the next meeting of the Board of Trustees, at the Society's room, on Tuesday, the first day of February, for the special purpose of finally agreeing upon the Scheme of Premiums, and the time of holding the next exhibition.

The Board then adjourned to hold their next regular meeting of the Board on Wednesday, the 16th of February, at the town residence of R. Caton, Esq.
PRICES OF COUNTRY PRODUCE.

IP In the prices of country produce there is no material change since our last report.

Jack and Jenuet,

VERY LARGE AND OF BEST BREED, FOR SALE.

In our account of the late Cattle Show, we spoke of a very superior Jack and Jennet brought to America from the Mediterranean last summer by Commodore JACOB JONES, for his own use .-The Commodore has been called, with satisfaction to the country and much advantage to the Navy, to a seat in the Navy Board, and therefore wishes to dispose of these valuable animals. In TREASURY OFFICE, Jan. 19, 1825. reply to a letter addressed to him, at the instance True Copy from the original report on file in of a correspondent, whose name we have forgotten, he says, as to the breed and the price of these animals:-"The Jack is 13 hands and 3-4 inch, "and is six years old, or will be so some time in "the spring; and although not yet done growing, "is larger than the best that were showed to me " at Malta, and for which they asked \$500 at that "Island. My Jack and Jennet are from the Is-"land of Majorca, where they are said to be the To correspondents .- A subscriber thinks a best of Spain, except those of La Mancha. I

CONTENTS OF THIS NUMBER.

of the clover is left on the ground, to be turned in, or, if you please, pastured.

Cayenne Pepper—may be dried in a common dutch over, and then ground in a common spice of the control of the seventh o ral principles of the construction and the cost of of a farm without foreign aid or materials except plaster-Extract to the Editor, on the tide trunk, and on ploughing lee houses, how best made; who can tell how to kill a pesti-lential weed called Daisy or Bull's Eye?—Constitution of the Penn ylvania Society for the promotion of Internal Im-provements in the Commonwealth, concluded—On the pre-Maryland Agricultural Society, held at the residence of Jas. Carroll, Jr. on Wednesday, the 19th January, 1825, D. Williamson, Jr., Esq., on the part of the committee appointed for that purpose, reported a Scheme of Premiums for distribution of distribution at the next annual exhibition; which was read—

The Penn ylvania Society for the promotion of Internal Intervention of the Schooling of Internal Intervention of the Schooling match at Aring-part of the committee appointed for that purpose, reported a Scheme of Premiums for distribution of domestic animals—American manufactures—something novel—Maryland scademy of science and literature—thing novel—Maryland scademy of science and literature—the Penn ylvania Society for the promotion of Internal Intervention of the Schooling match at Aring-part of the committee appointed for that purpose, reported a Scheme of Premiums for distribution of the statement of the battle of Entant Province of the Penn ylvania Society for the promotion of Internal Intervention of the Schooling match—Shooting match and being amended was referred to the next regular meeting of the Board, under the following tresolution:—

Recipes—Correction of the statement of the battle of Entaward Recipes—Correction of the statement of the battle of the

AGRICULTURE.

REPLIES to various practical questions on Agriculture, lately propounded in the American

TO THE EDITOR OF THE AMERICAN FARMER.

Frederick County, Va. Jan. 19th, 1825.

some of the queries contained in the American Farmer of the 7th instant, worthy of insertiou in your paper, and likely to be satisfactory to your correspondent, I request that you will do so. I have so much to learn, however, and can impart scythe to within four or five inches of the points to others so little knowledge of husbandry, that I of the fingers—with this the cradler cuts off the mously adopted—a similar one having passed at can with difficulty prevail on myself to venture heads of the clover and throws them into small the spring meeting, but inadvertently omitted in before the public.

Your correspondent asks, first, What is the best mode of extirpating St. John's wort, dock, and running briers, or dewberries, and sassafras sprouts? The cheapest and most effectual mode move the stock to another field, so as to give the be afraid to try on a large scale. grass time to grow a little before the rainy season comes on in May. I can assure you that this tle, I turned them on a field about the first of March, which was then, and had been for seve- they cannot interfere with the crop. ral years, almost completely covered by St. John's and turned them on again a few weeks afterwards. Observing in the course of the summer that the St. John's wort appeared to be much thinner, and accordingly I did so the next year, and I have able pen.

not been troubled with it since.

As to dock, briers, &c. &c. I know no way to get clear of them, except to cut them off with) hoes as fast as they appear above ground, particularly in the month of August.

Secondly, Are permanent pastures, or the pasturing of arable land most beneficial, &c.? The answer to this question I should suppose, depends entirely upon the relative fitness of the land for grass and grain, and on its distance from market. Clover and timothy, or orchard grass, or all three together, I think are the best for pastures; for after the clover is gone the others afford excellent

Thirdly, Has it been ascertained whether corn, and if any, what kinds can be advantageously cut down with the blades and tops on; and if it can, how is the process to be conducted so as to prevent injury by the shrinking of the corn, the fall-

ing of the shocks, &c.?

The kind of corn that I cultivate is white, not very flinty, and ripens usually about the middle. of Sept. I believe the yellow corn ripens earlier, but it is not so good for bread-and not convenient to have different sorts, I plant but one kind.-The proper time to begin to cut down corn with the blades and tops on, is when about one-third or one-half of the shocks and blades have become yellow and dry. When this is the case there is no danger of the corn being damaged, provided the shocks be well put up and not made too large; they should contain eight or ten bushels of ears. B. Page in the chair. My plan is to plant in the old way in squares of four feet, two stalks in the hill; when the corn is ripe I cut down ten rows and leave ten standing, be appointed to examine the letters written to

the snocks ranging both ways, and twenty rows the New-York wheat, and report this day; wherethe shocks will yield four or five bushels of shelled Cartmell were appointed. corn. The corn that is first cut and put up should corn. The corn that is first cut and put up should At 11 the society proceeded to the ploughing stand about a week to dry, and then the other match. A lot belonging to Mr. Robert Gray, half may be cut and put up around the shocks—east of the presbyterian church, had been sethe straighter the corn is set up the better, the lected by the committee, and six ploughs entered shocks will stand the wind and weather; the tops for competition.
should be tied with bands of straw or corn stalks; At 2 P. M. returned to the court-house, and Sir,-If you think the following answers to but this is seldom done for want of time.

Fourthly, What is the best mode of saving siness, the vice president in the chair. clover seed, and curing clover hay? The practice A letter from the late and deeply lam with us is, to sew a piece of coarse linen on the John Taylor, of Caroline, to the vice president, two first fingers of a cradle, from the heel of the was read, and ordered to be published. heaps—he is followed by a boy who puts two or the list of premiums.

more of the heaps into one, where they remain a Resolved, That a premium of \$10 be awarded few days, when all are put into the barn or into for the greatest quantity of stone or other perstacks until winter, when the seed is got out .-Clover for hay should be cut when nearly one last 12 months. of killing St. John's wort that I have ever heard half the blossoms are dead, or of a dark brown of, or seen tried, is to pasture it very early in the colour-left in the swarth till dry, then put up in of the reports of the different committees, and spring, say from the first of March, when vege- cocks, and stacked, or housed—Some farmers put to the distribution of premiums, tation begins, till the first of May, and then re- up their clover green, and salt it, but this I should The reports handed in were:

As to the application of manures, consisting of corn stalks, straw, &c. I think the best time to son comes on in May. I can assure you that this plan has succeeded very well with me. About haul it out is in the winter, to spread it on thick seven or eight years ago, being scarce of winter and plough early and deep, say seven or eight infood for my stock, which consisted chiefly of cat- ches. This is the best chance for a crop of corn all of which were severally ordered to be publish--the grass and weeds are buried so deep that ed. Adjourned to 4 P. M. The usual quantity of wheat sown on an acre of land here, wort. About the first of May I took off the stock, in fallow as well as corn land, is from 3.4 to 12 bushels. I think one bushel the right quantity, matches asked for and obtained leave to hand in and this is most generally sown in this neighbourhood. When I sat down I intended to answer, as a great deal later in blossoming, than in previous well as I could, all the questions of your corresyears, I was induced to believe that a repetition of pondent, but I find my sheet is filled, and I must early grazing would destroy that noxious weed; now leave the rest for another time, or for a more A VIRGINIAN.

AGRICULTURAL SOCIETY OF THE VALLEY.

At a meeting of the Agricultural Society of the Valley, held in Winchester, the 16th day of matches made t. November, 1824: present, Wm. M. Barton, to be published. Vice President, and a quorum of the members.

The Vice President proceeded to call over the different committees, and cards, designating the members of each, were distributed among them.

The Society then repaired to the presbyterian church, where the exercises were conducted in grazing after severe frosts, and indeed through the following manner:—Ist. Dr. Watt's version of the 65th psalm; 2d. Prayer by the Rev. Dr. Hill; 3d. Stanzas for and accommodated to the occasion, by the same reverend gentleman; 4th. Address by the vice president.
At 2 P. M. the different committees separately

entered upon the discharge of their duties.

At 4 the society again met in the court-house, when the following resolution was unanimously

adopted.

Resolved, That the thanks of this Society be presented to the Rev. Dr. Hill, and to Wm. M. Barton, vice-president, for the part they took in the exercises in the church this day, and that the exercises in the church this day, and that they be severally requested to furnish copies of the ode and address for publication.

Vol. 6.—45.

apart one way and ten the other; in this order upon R. K. Meade, Seth Mason, and Martin

proceeded to the transaction of the ordinary bu-

A letter from the late and deeply lamented Col.

The following resolution was offered and unani-

manent fencing made by any member within the

'The trustees then proceeded to the receiving

On horned cattle and sheep;

On horses and hogs;

On crops;

Met pursuant to adjournment-the vice president in the chair.

The committee on ploughs and ploughing their report to-morrow.

On motion of A. H. Powell,

Resolved, That a premium of \$10 be given for the best agricultural ode that shall hereafter be offered at the annual fairs of this society, by a

Adjourned until to-morrow morning at 10 o'clk.

Thursday, Nov. 18.

Met pursuant to adjournment-the vice president in the chair.

The committee on ploughs and ploughing matches made their report, which was ordered

The following preamble and resolutions were offered by William B. Page, and unanimously

adopted.

The members of the Agricultural Society of the Valley have convened at Winchester at their annual fair, to witness the improvements and promote the interests of agriculture. They view with delight the various blessings with which peace and plenty have crowned the year. Whilst their hearts are raised in gratitude to the author of every good and perfect gift, they feel themselves proportionably indebted to those men by whose aid they have attained liberty, without which life would lose its blessing and its charm. The arrival of Gen. La Fayette in this country, has afforded them an opportunity of discharging a small portion of this vast and countless debt. They believe that they represent the feeling, and

Resolved, That General La Fayette be elected

an honorary member of this society.

Resolved, That the members of this society Wednesday, Aov. 17.

Met at 10 A. M. pursuant to adjournment, Wm. by their representatives in the general and state governments, for bestowing on him such a support as will render his future life as comfortable Resolved, That a committee of three members as his former has been honourable and glorious.

The following resolution was offered by David

established rule.

Tidball, and unanimously adopted.

company his statement with an affidavit or affirmation that the statement in every respect contains the truth to the best of his knowledge and not to be deceived by it again. belief; that he shall also have the certificate in not be at liberty to award a premium to any apmode of cultivation.

A. S. Tidball, and unanimously adopted:

presented to the vice president for the inde-pendence and impartiality with which he has Some presided at their different sittings, and that he by the members.

The society then adjourned sine die.

The following gentlemen were received as honorary members during the fair ;

JOHN M M'CARTY, of Loudoun. JOSEPH SIEER, of do. DANIEL JANNEY, of do. HUMPHREY B. POWELL, of do. LLOYD R. NOLAND, of do.

And the following gentlemen as members:

Thomas Jones, Josiah Massie. Thomas A. Tidball, Robert Gray, Joseph Arthur,

Jacob Hoffman, of Bky. Stephen M'Cormick. Thomas Cather, Henry Beatty, Alfred H. Parkins.

FROM THE NEW-ENGLAND FARMER.

ON THE CULTURE OF ONIONS.

I believe that every plant has its corresponding principles in the earth and atmosphere. Were not this absolutely the ease, how is it that they come to a state of perfection, each after its kind, throughout the vast variety that vegetate upon cuts the top off close to the surface. But neither the earth? Upon the supposition that every genus are so dangerous as the wire worm, for it destroys of plants is nourished by one common principle the root and the plant perishes. in the elements, why do they require so many different kinds of soil and situation? Those printheir growth, -and among these the onion is remarkable.

Many good people are led to imagine that this vegetable is hard to please with a soil. They sein properly arranging it for the reception of the sembling corn in this particular) but rather supseed. "But when shall it be sown?" Some elderly people say "in the old of the moon, that they may bottom well." This item is by no
seem.

with some in Pennsylvania and Massachusetts.

[When, in a late number of the Farmer, we gave credit to Hayfields, the "Premium Farm," for the great net weight of its swine pen, commeans neglected, and the man confidently ex-pects a reward for his punctilious exactness.— But, perhaps, not one seed in a hundred ever vege-Let them lie to the sun until the outer skin starts. to remark that with a view to weight of pork,

different committees on the subjects entrusted to a year old." After a little time many of his plants them by the society, be final and conclusive, and disappear without any assignable cause, and per not subject to the revision of the society, unless haps some innocent little insect has its eyes put will cause them to vegetate and the onion will it appears that they have obviously violated some out with ashes, &c. What few are left standing receive all possible attention. But observe them, The tollowing resolution was offered by A. S. and you will find that not one stands upon the sur- permitted to freeze and thaw alternately. face; on the contrary the stalk runs down to the Resolved, That in all cases hereafter in which depth of two or three inches of an equal bigness ing :- Select a sufficient spot in your bed and keep applications shall be made to the committee on to the fibrous roots, and this is all the perfection it for this sole purpose. Save your best onions, crops for a premium, the party applying shall active arrive at in most instances. How natural and have not much regard to color, for if you the conclusion that this land never can be made wish to rear, say the yellow, it will not certainly to produce onions! The cultivator is determined follow that they will all be so, if you save all of

Now it is apparent that the want of success in writing, of one other disinterested person that the above process was not owing to a lack of vehe really believes, from the erop which he has getable substance, although it would have been seen, that the statement made by the applicant an indispensable ally to those subtile secretions ripe. which were not as yet concentrated. These are gradually located by its own influence, verying to curions if they will account for the phenomenon contains the truth, and that the committee shall which were not as yet concentrated. These are plicant, unless he be particular in describing his greater and greater degrees of maturity. And which I have mentioned above, viz. that the seed for myself I am persuaded that all plants, provi-The following resolutions were also offered by ded they have their vital support, the longer they are cultivated in one place, the better they are; Resolved, That the thanks of this society be but more observably so in the one under conside-

Some years ago I saw a piece of moist land, consisting of a rich black loam plentifully manured be requested to accept of a silver enp, as a fur and sown down with onions, and the result pre- found the land at all impoverished by them. But ther token of the estimation in which he is held cisely the same as that mentioned. The man, on the contrary, my crops are better than formerhowever, still persevered, and another year pro-ly. But the manuring is yearly repeated; and Resolved, That the thanks of this society, and duced him, perhaps, one onion to twenty scullions. must not be laid far below the surface." A third year, and nearly one half were tolerably A third year, and nearly one half were tolerably faithful and active discharge of his arduous duties. handsome, but rather large top. He can now (after a lapse of eight or nine years) rearfair onions

with as much ease as potatoes.

The best time to sow the seed, like all others, is when the earth has received a goodly degree of warmth. The ground should be made as level as it possibly can be, and cleared of all incum brances. There is little danger of making it too hard, as a pressure of the earth will have a ten dency to prevent the onion taking too much root downwards. I have no objection to sowing in hills or drills-they will grow well either way. After the seed is sown and covered to the depth of an it to the shoe of the foot, and stamp the hills or drills perfectly level; this will press the moist earth upon the seed and cause it to vegetate surer and quicker.

After the seed is up (which is generally in a fortnight) nothing is to be done till the weeds make their appearance, unless the flies make depredations, in which case, ashes are to be sprinkled on sparingly, for in this tender state of the plant, too much alkali would prove a destroyer. Of late I find that the black ant is a foe, for it cuts the top off close to the surface. But neither

ciples, applied to one plant, have a salutary ef- and the second, the plants will not be so likely to wheat in 9 minutes; which is at the rate of 26 fect,-to another, quite the reverse, and all this come up with the weeds. Care should be taken bushels and 2-3ds in an hour. The cause of this while from mere vegetable matter. There are not to hill them at all, rather take away the earth difference in the two experiments, we understand some peculiar plants that will not flourish, be the from the roots, as the nearer they grow to the arose from a difference in the horses; one of those soil ever so rich, until it becomes naturalized to surface, the fairer onions they will be. If any are employed in the first instance being a bad one. inclined to run deep in the earth, they should be Water or steam power may be applied with indug round, and their tops bent down to prevent a creased advantage. too luxarious growth.

When the onion has arrived at considerable lect a very nice spot of ground, and spare no pains growth, it receives no support from its top, (re-

When the fibrous roots no longer adhere to the

Resolved, That in future the reports of the tates. "The seed is not good, it is more than Then they are to be taken to a chamber or garret there to remain till it freezes. By no means carry them immediately into a cellar as the dampness soon become soft and spongy. I have kept them very well all winter in a garret, but they were not

> The method of rearing the seed is the followthat description. Mark your bed into squares of one foot and set your onions to the depth of six or eight inches. This will prevent their long slender stalks from falling down before the seed is ripe.
>
> A CULTIVATOR.

> of a yellow may produce a red onion.

Remarks by the Editor .- Onions are not an exhausting crop, but improve the land on which they are sown for several years in succession .-Dr. Deane observed, "I have many years cultivated onions on the same spot; and have never found the land at all impoverished by them. But

0 NEW THRESHING MILL.

Claremont, (Vt.) Sept. 5.

On Friday last, a number of gentlemen of this town and Windsor, Vt. witnessed the operation of a threshing mill, invented by Messrs. Tylers and Andrews of this town; and the result of several experiments satisfied all present, that it would thresh and clean 15 bushels of wheat in an hour. The labour of threshing and cleaning is performed in the most perfect manner—not a kernel of wheat could be found in the heads, after passing through the mill. Every particle of inch, take a piece of board two feet long, fasten dust and chaff is separated from the grain and blown away, and the straw is cut into pieces about 4 inches in length. This mill has been used with equal success, in threshing clover seed, rice, and coffee. The machine is kept in motion by two horses, and requires a driver and four men to tend it. Messrs. Tylers have been engaged for three or four years past, in perfecting their design; and while we congratulate them on their success, we hope their ingenuity and perseverance will be liberally rewarded, for having made so valuable an acquisition to the useful inventions of our country.

Since the above was in type we have learnt that Messrs Tylers and Andrews made another By weeding them in season two points are gain-trial of their threshing mill, on Monday last; ed. The first is the saving of half the labour; when they threshed and cleaned 4 bushels of

HAYFIELDS' PEN OF SWINE -- compared with some in Pennsylvania and Massachusetts.

pared with Maryland hogs, and considering, too, earth the onion is ripe, and ought to be pulled .- the large number of them, we took the occasion

there was a manifest want of economy, both in the idurability, and cost of the horizontal, or hill-side breed and the feed of the hogs. They were 18 plough. Our lands in this part of the country, months old, had beed carried and fed with corn are generally so broken as to render horizontal through one entire winter; fattened the next and ploughing indispensable to their preservation from killed in December, and yielded, more than thirty washing. I am informed that in Albemarle, Virof them, an average weight of two hundred and ginia, both the hill side plough and the level are twenty-four and three fourths. We now give the dispensed with, and that horizontal ploughing

"Having seen an account in the Farmer of the weight of several lots of hogs, raised and fed in Maryland, I take the liberty of sending an account of three small lots, raised and fed by three farmers in the neighbourhood of Kennit Square, Chester County, Pennsylvania:-

Lot No. 1, James Crossin's, seven hogs, aged 17 months and 26 days:-

3,401 lbs. Whole weight, 530 lbs. Heaviest hog weighed, Average weight of the 7, 4.6 lbs.

The particular weight of the other six not recollected.

Lot No. 2, Joseph Halter's, five hogs, aged ten months and two days :-

First, .		٠		•				٠			351 lbs.
Second,											330
Third, .											325
Fourth,											324
Fifth, .	•		Ť		ď		•		•		307
Lilli, .		*		•		•		•		•	307
											1637 lbs.

Average 327 2-5 lbs.

Lot No. 3, Joshaa Taylor, Esq. four hogs, aged nine months and two days:-

First, .			٠			360 lbs.
Second,						324
Third, .		-				320
Fourth,						297
						1201 lbc

Average 3251 lbs."

A MASSACHUSETTS-ESSEX COUNTY

as follows, viz :-

-,	
552	410
466	584
404	428
594	419
424	446
444	540
_	
	5711 lhs.

5711 lbs. at 7 cents, \$399 77 ? cash on Lard tried from round, about 9 69 Sdelivery 1073 lbs. at 9 cents, Scraps and fat from entrails bartered for 1 bbl. soap, say 4 00 °

12 hogs averaging 475 14-16, \$\$413 463

Agricultural Correspondence.

Correspondence of the Editor—ON THE HILL SIDE AND HORIZONFAL PLOUGHING IN ALBE-MARLE, VIRGINIA.

Jonesboro', April 14th, 1824.

bound also. I have requested Mr. Ross to pro- 100 acres, whose circumference at first is more IV. If at any time you are caught in a shower, cure me accurate information as to the utility, than a mile in extent. We do this because we keep in motion until you get to your own house,

weight of some lots just received from a valued is there performed by the eye with the bar-share. correspondent.]—Ed. Am. Far.

If any improvement, either in the implements or in the manner of performing this kind of plough ing has been discovered, and not hitherto published in the Farmer, you would serve a large portion of country by communicating it hereafter. Minute instructions as to the use of lime as a manure; the state in which it should be applied; the quantity to the acre; the mode of spreading; the season when; the crops which should follow, &c. would be very acceptable to many of way with a guide furrow, filling up above and beyour subscribers in the west. I will thank you low. In this way if an error occurs by the irreto give Mr. Ross your aid in his enquiries respecting the hill-side plough.

In haste, your's respectfully, THOS. EMMERSON.

Albemarle, Va. Jan. 12th, 1825.

Dear Sir,—I take great pleasure in replying to your enquiries concerning the uso of the hill side plough, and the practice of horizontal cultivation in this part of the country. To the latter we think ourselves certainly indebted for the improved appearance of our hilly country; and for the hastily. preservation of our soil, as well as for the greatest product in any crop that requires summer cul-quiries-And I remain your friend and servant, ture we consider it a sine qua non. The reasons are obvious; to our red and thirsty soil, during the time of vegetable growth, water is absolutely cultivation afterwards.

The hill-side plough, I believe, was invented, PEN-slaughtered 4th Jan, 1825. ent modifications of it in use, some of which ral publications.—Can it be that the summers in ag hog included,) twenty months old, the weight terially from the first model. The one most aphot, and dry? It is an axion here, plough deep to stag hog included,) twenty months old, the weight terially from the first model. The one most apland Rhodes, of this county. It is comparatively light in its structure, efficient in its performance, note of your own. and shifted and adjusted with ease at the end of a furrow. The cost is about ten dollars.

I have used one of these ploughs in certain situations, for many years, but I have serious doubts of their intrinsic utility. The time lost in shifting the plough at the end of each furrow is considerable, and this is encreased as the bouts are shorter, to say nothing of the awkwardness of the FOR STRANGERS ON LANDING IN THE W. INDIES. team when made to walk alternately in and out labour thereby to the driver. There are but few time, walk at leisure, and take no violent exercise situations on any farm where their use may be in the heat of the day. When a man is fatigued, thought necessary, that may not be overcome by sickness is at hand. In other words, he is liable side only presents, and particularly if the dis-salt marshy ground near the sea. tance is short, I think as good and as much work can be done with any common plough by running broken surface, and thereby turn the next time greatly more than the width of the share.

In breaking up our land either for corn or wheat, Dear Sir,—Mr. Ross has promised me to call we seek to plough around the hills, and as much on you for my fifth volume of the Farmer—he upon a horizontal line as the irregularity of their will also pay you my subscription for the present shape will admit. We wind up one valley and when cold; and you ought not to stay above one year, or sixth volume, which I wish retained and down another, after embracing in one land 50 or minute in the water at a time.

save time by avoiding short turns—we do more and better work, and we do it with more ease both to the team and the ploughman. Our main ubject in this first operation, is to break the land neep, particularly for corn. The average maximum depth of our ploughing does not exceed six inches, but this is by no means the optimum .--We would prefer eight orten inches if our ploughs and teams would admit, always predicating the success of our crop in direct proportion to the depth of the first ploughing."

It is only after the land is deeply broken up that our attention is directed to the horizontal culture. The level is generally dispensed with, but the rows for corn are laid off as nearly on a level as can be attained by the eye. Upon a hillside of much extent, I generally begin about midgular shape of the hill, it is not so serious, being divided between the top and bottom of the hillside. Our rows are generally from five to six feet apart, and the stalks are left to stand from one foot to two and a half feet apart, according to the strength of the land. Two and sometimes three ploughings are given the crop after it is planted, generally with the shovel-plough, (the simplest and best to kill grass) which working alternately to one side and the other, leaves a deep furrow in the middle to hold water that falls

I believe the foregoing embraces all your en-P. MINOR.

* I marked this place for a note, but upon remapure; to retain the water then should be our flection you had best decide and take that upon first care, and in retaining the water we also re-yourself I was going to say, that the practice first care, and in retaining the water we also re-yourself I was going to say, that the practice tain the soil. This can only be done by deep here mentioned, was so different and so irreconciploughing in the first instance, and horizontal lable with the practices of Mr. Stimson, an account of whose success, both as to product and improvement of land, is given us some months ago and first introduced here about 15 years ago, by in the Farmer-bottomed upon a system of plough-Col. Randolph, the father of the horizontal sys-ing not exceeding three inches - as well calculated tem of cultivation. There are now many differ- to excite a general incredulity upon all agricultuproved at present is made and vended by Mr. Ry- produce moisture and moisture is the food of plants. Try to reconcile our incongruities by a P. M.

Economy of Health.

FOR THE AMERICAN FARMER.

DIRECTIONS

I. On landing, keep out of the heat of the sun : of the furrow, and the consequent increase of or, when out of doors, use an umbrella. For some plonghing in some manner round the hill; but to a remitting fever; to receive contagion from even where this is impracticable, and one steep human subjects, or from miasmata, arising from

II. As forts and garrisons in the West Indies. are on the low lands near the sea, they are geneback in the same furrow, leaning the plough in rally unhealthy. If you have a choice, take a such a way as to let the point scoop under the nil- house on a rising ground, remote from swamps, and well clothed with timber trees and succulent

III. Riding is a healthy exercise, especially before breakfast; and-sea bathing is salutary; but remember, never to bathe, when you perspire, or

IV. If at any time you are caught in a shower,

clothes to put on; after stripping, let your skin be made to strengthen the parts subject to them. crowded coach, in a few hours of a journey.be well wiped with a dry towel; but by no means rub the body with rum, as by it the pores are restricted, and a fever may be the consequence .-The best cordial, in this case, is a warm basin of tremely hurtful. Many persons have lost their tea, coffee, chocolate, or broth, according to the time of the day. As you value your life, abstain

is very weak.

V. There are a number of excellent fruits in

them. Be sure, at night, to draw down the musquito net close all round, and brush it well inside with a large towel, to kill such musquitoes as may still be there.

VII. Chigres are a species of flea that burrow into the feet and toes; at first they occasion an with violent, and almost intolerable spasms in his itching, and then a little red lumb, which becomes legs, which deprived him at once of all motion, painful. A negro is the best hand to pick them and seemed to affect him universally. Various out; and a little snuff may be put into the cavity.

and in the West Indies, the frequent use of the length it occurred, that the spasms might prowarm bath, at a temperature of from 90° to 96° of ceed from wearing silk stockings, to which he sometimes, and at other times to neglect it;-to Fahrenheit, as ascertained by a thermometer, had not been accustomed; and the weather at avoid no kind of food that may be in common cannot be too strongly recommended.

RULES AND CUSTOMS,

Recommended from respectable authority.

A number of rules for the preservation of health have been given by several authors, sometimes dispersed in large publications, and at other times abridged as maxims or aphorisms. There are very few of them, however, calculated for active life, or fit for those who live in society, as it is now and shall then give an abstract of the system, by the observance of which the celebrated Plutarch nite mischief. reached an advanced age with unimpaired mental and personal faculties.

I. Those who are apt to be fat and unwieldy, ought to abstain from liquids as much as possible; for great drinkers are more generally corpulent than great eaters. Even water is nourishing, either from its own qualities, or as promoting di-

well in cold water; mingled with a few drops of sleep. spirit of lavender or Hungary water. This preassists in preventing deafness.

-first, giving up the body entirely to idleness;

stitutional weaknesses, every man, in a physical by additional clothing. sense, has his weak side; and diseases generally

V. The preservation of the eyes depends much upon a moderate use of light; and it is a fact confirmed by experience, that too much light is exsight by living in rooms with white walls, or by having their windows so situated as to reflect from warm toddy, punch, or negus, unless this last strongly the light of the sun. The light admit. the best mode of preventing such mischief. ted into rooms, may be so proportioned by shutters, venetian blinds, or curtains, that it may be all the islands; take care they are fully ripe, and perfectly sufficient for use, but neither stronger eat little of them at a time, in the morning or af- nor weaker than is necessary. It may be proper to add, that being near-sighted, partly proceeds VI. Strangers are much tormented with mus- from the injudicious custom of confining children quitoes, but after some time pay no attention to during the first years of their lives, almost constantly within doors. They are thus rendered incapable of forming a focus properly for distant

objects.
VI. An unscasonable change of clothing is often pernicious. A gentleman was suddenly seized conjectures were formed about the cause, and It may be proper to add, that both in the East, various remedies were given to no purpose. At that time was rather cold. On this conjecture, use;—sometimes to eat in company, and at other he took off the silk and put on a pair of worsted times to retire from it;—in short, by a varied life.

VII. It is an excellent rule, in regard to diet, may happen. that every man should eat and drink a proper quantity of what best agrees with his constitution, but never should eat or drink so immoderately as to overload the stomach, or take such refresh-

ments as are difficult to digest.

VIII. Nothing can be either more ridiculous, or more pernicious, than the custom of eating and constituted. I shall select those which seem to drinking things very hot. It spoils the teeth, me best entitled to the attention of the reader, brings on the tooth ache, disorders the head and eyes, ruins the stomach, and is the source of infi-

IX. A frequent change of posture appears to be favourable to health. One of Lord Bacon's rules was, "never to keep the body in the same

posture above half an hour at a time.'

X. Any unpleasant piece of intelligence ought always to be communicated when the stomach is empty. The tumultuous agitation of the brain, gestion, as appears from an interesting experi-renders the stomach powerless and paralytic, prevents the natural action of the stomach and II. Wearing a wig is an excellent practice for intestines, and disturbs the whole circulation of angular roof, and an additional suite of rooms the old, the tender, and the studious. It tends to the blood. The effects of such communications, prevent head aches, and a nervous weakness in the when improperly made, are in the highest deeyes, more especially when the head is shaved gree injurious. About two hours after breakfast, daily. Washing the head with warm water and is, on that account, the best period; for, in addisoap, and scraping the skin with the back of a tion to the stomach being then empty, there is from the bustling world below. Here a family razor, clears off all scurf, and promotes perspiratime for the mind to recover its tone before bed party might enjoy their rye coffee and conversa-The head should afterwards be washed time, when the whole frame may be refreshed by tion, and breathe a pure air uncontaminated by

XI. Dr. Beddoes considers the following the vents the head from catching cold, and greatly very best piece of advice he has given in a very able work he has published on health. In order about twenty-five years ago, Mr. Isaac Taylor in III. Two things ought to be particularly avoided to render people far less liable to taking cold, and habited a very high, flat roofed house, in a and second, eating again before the last meal is he recommends them to adopt this rule, "that of digested. sitting a good deal during winter in a room with-IV. It is of the highest importance to pay par-out fire." But that rule ought to be carried farticular attention to one's temperament, and con-ther. One should never sleep or dress in a room in consequence, it is believed, of their occupystitutional weakness. If a person be sanguine or that has a fire in it, either in summer or winter, choleric, it gives a tendency to inflammation; or, unless in very damp weather: the smoke and dust scending to the street, and going upon the roof if phlegmatic, he is likely to be affected with arising from fuel in a bed-room, are highly inju-for air and exercise.

or that of a friend. Then get a complete shift of jever such weaknesses exist, every exertion should fects result from drawing up both windows in a What mischief then may not be expected, when numbers are shut up in small rooms, with an atmosphere vitiated by their breath, and by the effects of fires and candles. The mode of admitting air, as practised at the Royal Infirmary at Edinburgh, which throws it to the roof, would be

> XIII. Mr. Stewardlikewise condemns the practice of going about all the morning, the men muffled up in spensers and great coats, and the women with furs and cloaks, whilst in the evening, they sit down to dinner imperfectly clothed, and the women half naked. Yet in that chilly state, they fill the stomach with food, having lost vital heat to digest it. Whether a life spent in the foul atmosphere of crowded rooms, or the system of chilly repletion (loading the stomach when the hody is cold) does the most mischief, it is difficult

to determine.

XIV. Celsus has strongly recommended it to the healthy, to diversify their mode of life;-to be sometimes in the city, and sometimes in the country; -sometimes at rest, but at other times to take frequent exercise; -sometimes to use the warm bath, and sometimes the cold;-to anoint use ;--sometimes to eat in company, and at other stockings; in consequence of which he recovered, to be always prepared for any circumstances that

XV. Celsus has likewise cautioned his readers, not to destroy, in the gay days of pleasure, by excesses of any kind, that vigour of constitution, which is the best support under infirmities; the loss of which, though unavoidable, yet by care and attention, may, for a time, be averted.

[To be concluded in our next.]

Domestic Economy.

FOR THE AMERICAN FARMER.

ON FLAT ROOFS. By Calvin Jones, of Wake Forest.

The object of this paper is, to state the advantages of flat roofs, and to propose a method for constructing them.

A house of three stories with a flat roof costs little more than a house of two stories with an is obtained.

A flat roof may be made subservient to a thousand different uses, particularly in a town. It may serve as a promenade, as a calm retreat from the bustling world below. Here a family the dust and many compounded flavours of a less

elevated region.

When the yellow fever prevailed in Newburn greatly to preserve their eyes at the same time, crowded, and then highly infected part of the town, and while the fever was prevailing with great mortality in the low houses around him, his family, and that a large one, escaped the disease, ing only the upper story of the house, never de-The deleterious gases chronic or nervous disorders. For regard to con- rious to health, and warmth can easily be obtained which produce yellow fever, and many other forms of disease, it is supposed, are of such gravi-XII. Mr. Steward, the celebrated traveller, ty, compared with atmospheric air, as to attain fix themselves in those parts which are by nature strongly recommends more attention to ventilate but very moderate degrees of elevation. The weakened. In some persons, diseases attack the the rooms, more especially when they are full of famous Grotto del Cuni. near Naples, so much lungs; in others, the stomach; and so on. When- company. It is well known what pernicious ef- an object of wonder while chemical science was

and perhaps some confirmation of this opinion. gas, are instantly deprived of sensation, while less contaminated atmosphere, are not affected.

covered by a patent impenetrable stucco, that was roof, if it can be avoided. but an imperfect defence against the rain. Capt. Ott. a Russian gentleman of Norfolk, who com plastering the outside of the plank between the mour, a merchant of Petersburg, had a flat roof This might be avoided by cultivating it in one or which his wife commended much for its convenience in airing beds and drying linen, but it was [We can give seed.]—Ed. Am. Far. | who would be well satisfied with the second rate qualities to be seen at Messrs Platt & Faulkner's, ence in airing beds and drying linen, but it was defective in its most essential particular. The architect of the Monumental Church in Richmond, had a flat roof to his house, which completely subserved all its intended purposes. Common flooring plank, joined by straight edges, declining a quarter of an inch to the foot, coverthis that succeeded completely.

structed at different times by such additions as convenience suggested or necessity required. The last addition was parallel to, and correspond ing with a previous erection, and 10 feet distant make use of, only by their labour, are indebted a good remedy for the flatulent colic; the dose from it. This space was to be covered by a roof, to commerce for rendering the animals, minerals, from two to four ounces, mixed with gruel. In and a flat one seemed the most eligible. Such an and vegetables, useful to us. one was accordingly extended immediately under the two eaves, having a declination to one end of ics, who form various articles out of these mate-lounce or more. It acts as a brisk purgative in one eighth of an inch to the foot, and covered with rials; if the metal be worth more than the min-such large doses; but in small quantities it has a tar paper and sand. Its cheapness, convenience, ing, an axe or a spade is worth more than the mediuretic effect. In the horse it is the most cerone eighth of an inch to the foot, and covered with rials; if the metal be worth more than the minand complete subserviency to all the purposes of tal of which they are made; if flax be worth tain diuretic we are acquainted with. Oil of turits construction, has led me to suppose a brief more than the seed from which it has been pro-pentine, when rubbed upon the skin of animals, description of it might be useful to some of the duced, the linen into which it is converted, is causes considerable irritation and pain; when

readers of the American Farmer.

ficies of 5 or 6 feet diameter. If more space is more than the flour. covered at once, the tar becomes so viscid as to impede the operation of papering that next fol lows. Thin fluid tar, I think better than half make use of them, they must be near me, they stuff, or pitch, and the latter is particularly ob- require to be brought to me; and this is the busijectionable as liable to crack. A hot day should ness of the merchants. They are also producers ted by the kidneys; and Retention of Urine be selected. The paper is now to be applied; I of utility, and this utility is so great that without means, that urine is secreted but cannot be evacumade use of newspapers. I found on trial that it the others could not flourish." quarter sheets could be used with most conveni-ence and advantage. These I lapped together, tures and commerce are dependent on each oth-their structure having taken place. Sometimes tone at a time) in a single fold and dipped into a er, that when one is injured the other must be however it may arise from a torpor or the secre-kettle of warm tar. They were laid, overlap-ping each other about an inch, and spread and doctrine inculcated by some, that Europeans sily distinguished by the fever which attends it, pressed with both the hands. If a ridge of tar, ought to be our producers for every thing belong the pain the animal suffers, standing with his pressed with both the hands. If a ridge of tar, ought to be our producers for every thing belongas was frequently the case, collected in one spot,
ing to the second class, and for much of the first,
it was pursued by hard pressure until it escaped
at the margin. The tar gave such cohesion to
the paper as to allow it to be strongly handled
without the danger of tearing. I gave the roof
attray were of European origin will be the doubted,
three coats of paper, and then sifted over it
In the year 1806, it was asserted in Europe that
In the year 1806, it was asserted in Europe that
In the year 1806, it was asserted in Europe that
In the year 1806, it was asserted in Europe that
In the year 1806, it was asserted in Europe that
In the year 1806, it was asserted in Europe that place which was stopped by the application of tar, fore we could make a cloth fit for a gentleman to stoppage in his water, as it is termed, and is oft-

ly given. I found some nicety required in fitting vailed in our commercial cities; but Europeans In that cave, dogs, holding their heads near the the paper round some posts at the end of the have reckoned without their host; they have defill that cave, dogs, holding their fields had respiring a ponderous carbonic acid roof, but the whole manuel of the business was crived themselves, as the late fair in this city gas, are instantly deprived of sensation, while performed by a negro of moderate intelligence, amply proves. They have yet to learn the exmen, standing erect, and breathing a higher and Short boards were placed for the workman to tent of talent and enterprise that a nation of freess contaminated atmosphere, are not affected. stand on, otherwise his feet would have displac-men is capable of exerting.

I have examined several flat roofs, and have ed the paper. The plan of the parapet, which The show of cloth at the Fair was such as seen but two that were properly constructed a roof of this kind requires, is submitted to the many of the first rate European manufacturers Mr. Taylor's, so useful in many respects, was builder, with a caution, not to insert a post in the would have been proud in exhibiting; and the

An article in the Boston Palladium of the 10th the true principles of fabricating are very generalmanded a company of horse artillery there du-ring the late war, had a flat roof to his house, cotton in some one of the states, so that Ameriwhich was rendered for the most part impervious can Nankin may be manufactured for sale. It rers within the last year is truly astonishing; it reto water (after many fruitless experiments) by seems there are not many vessels expected from flects infinite credit on themselves as a body, and Canton, and real Nankins may be scarce. joists in the usual manner with lime, thereby have English Nankins," says the Palladium, able to compete in foreign markets with those of detaining in the seams the pitch with which the "and why not American?" The cultivation of any other country. There were many pieces of Nankin cotton has been declined, because it mix. broad-cloth at the fair, from several factories, tain drilled squads of his company. Mr. Giles with the white by its farina, and discolours it, that the proudest monarch of Europe might be

Political Economy.

From the Statesman.

"To produce, to manufacture, to transport from the place of production to the place of sale; ed with sheathing paper dipped in hot tar, (boiled that is to say, to cultivate and collect the raw to a consistence called half stuff) overlapping in material with intelligence; to form them with the manner of shingles, and then sanded over, skill, and exchange them with judgment; or in trees. There are four kinds, viz. Strasburgh, formed the whole. I made a roof in imitation of other words, to perform the greatest quantity of Chio, Venice, and common turpentine. The two The house which I occupied for a few of the most advantageous manner, these are the great last years of my residence in Raleigh, was consources of the riches of a nation."

Men who obtain from the earth and waters, by the labours of hunting, fishing, mining, quarrying, and cultivating all the raw material which we

Hot tar was first poured upon the boards of the than the fleece, the Leghorn bonnet more than mixed with some fixed oil, such as the oil of roof, and quickly and thinly spread over a super-the grass, flour more than the wheat, and bread olives. Venice turpentine is usually made by

ceived their last form, for me to be enabled to turpentine.

through a fine seive, a quantity of pure sand. In America could not manufacture wollen goods in neys undergo a gradual decay, it is probable that a few days it was as hard as stone, and no tar was less than fifty years. The same opinion prevailthe improper use of strong directics has contribuenitted through the seems after the paper was ed throughout this country in the year 1808. In ted to the production of the disorder. This disapplied, though both tar and water had percolated before. For nearly four years the roof was Europe, that we might succeed in making a few toms, until the decay has made considerable prowithout defect. A crack then appeared in one coarse fabrics, but that it must be many years begress. The horse is attacked now and then with

in its infancy, will afford an imperfect illustration, of which a thin coat ought to have been previous- wear. In the year 1819 the same opinion pre-

great number of manufacturers offering first rate cloth, in quality, finish, and colour, proves that

The progress made by our wollen manufactur-"Welproves at the same time, that they will soon be Pearl-street, where an ample choice can be made, from olive browns, mixtures, blacks, &c. and all HOPSON. excellent of their kind.

DISEASES OF DOMESTIC ANIMALS AND THEIR CURE.

useful labour, and dispose of the product in the last only are employed in veterinary medicine. They are excellent diuretics and carminatives. Common turpentine is an ingredient in digestive and detergent ointments, and by distillation affords the essential oil, or as it is sometimes named, Spirit of Turpentine. Oil of turpentine is After them come other workmen, the mechan-remedy for the tape worm, in the dose of one more valuable than the flax, and the cloth more used therefore as an embrocation it is generally melting and straining the common turpentine, But it is not sufficient that the materials have reland then adding a small proportion of the oil of

Urine, Suppression of .- The term Suppression

en relieved for a time by diuretics; at length eruptions appear on different parts of the body, and when a total suppression takes place, from the structure of the kidneys being so destroyed that they can no longer secrete any urine, the animal soon dies. In such cases the bladder does not appear to sympathize with the kidneys, as in acute inflammation of those organs; for the horse is not constantly endeavouring to stale. Gibson relates a case of decayed kidneys in a miller's horse, caused by carrying heavy burthens. 'This horse,' he says 'was often subject to suppression of urine, and though he was always relieved by timely applications, yet these became more frequent as he grew old, till the last attack, when he continued three days before he died without staling or showing the least disposition to stale; during which time he never stood wide and straddling, but moved his hind legs and would cross them with great ease, till the next day, when his legs and whole body swelled and broke out ali over in moist watery blotches. After death the kidneys were examined; nothing remained of the right kidney but a small hard substance about the size of a pullet's egg, almost ossified, and of no regular shape. The left kidney was extremely large and spongy in some places, in others scirrhous, and broken into several rugged interstices, and so mangled that nothing of its original kept alive by the pen and the pencil, the record and ridge rose and fled rapidly from the turnip-field, texture remained." Retention of urine is caused the painting, once more seem returned upon me. over the wide expanse of heather and down, by inflammation or some other disease of the I have actually had a day's hawking almost amidst upon which, like a genius or a giant, stands dark neck of the bladder, or by the bladder itself having lost its power of contracting. When the bladder is distended with urine it may be easily felt, by introducing the hand within the rectum; when this is found to be the case, it is evident the significant title of Stonehenge. that the kidneys perform their functions: the principal object then is to cause the accumulated Amesbury has been the congregating place of my endeavoured to keep pace below with the eager urine to be discharged; and, of course, to avoid every thing which may have a tendency to in-crease the secretion of urine. If there is any degree of fever, bleeding is proper; a dose of easter oil and a laxative clyster are to be given. swift-footed quadrupeds; but there was a novelty enemy. If relief is not afforded by these means, and it is in the commencement of this year's sporting camclearly ascertained that the bladder is distended paign, and I regretted not the necessity of leavand in the same way, afterwards loosed; and all,
with urine, it is necessary to have recourse to an ing "Prim," "Tartar," "Soud," and the rest save one, killed their bird; but as the evolutions operation for drawing it off. In mares, it has be- behind, w en we were to be treated with a flight of all were governed by the same instinct, I need fore been observed, the metha is short and large, of falcons, in lieu of a race for the first turn; not dilate upon each separate and surprising feat and it is easy to introduce a short tube or even the finger into the bladder, and by keeping open wild "hallo," were to list to the shaking of the ed to me very singular; thus, when a bird had its neck suffer the urine to flow out. In the horse trained wild-birds' bells. however, it is necessary to pass a long piece of smooth round whale bone up the urethra as far of sport, having gleaned but a slight acquaintance as if gloating upon his feast in anticipation, till as it will readily go; the end of it will then be with it from books, and none from observation; the devoted game again made a struggle and a felt a few inches under the fundament; upon this end an incision is to be made, and through this lesson only, I am not so perfect in my history as ed hors de combat. opening a catheter may be introduced, and the criticism would require. Invite me to your next urine discharged. Having accomplished this object, let the following ball be given, which will a will wager you that I turn out a tolerably apt er; but they were instantly brought back from probably remove the disease in the neck of the scholar. bladder, which caused the retention of urine. As weakness in the muscular coat of the bladder in me to disclose the secrets of our cavalry equipis likely to follow, if it did not contribute to the production of the complaint, it will be highly horse, any more than the thin gentleman upon observing, would instantly dart at, and were thus necessary to guard against a return of the disease: very little water should be allowed for some days, and every thing of a diaretic nature carefully management, we contrived to keep pace with sport, I suppose, will never be again as popular avoided. An accumulation of urine is sometimes each other,—spite of a prologue of half an hour's as it was, when produced by riding a horse for a considerable gallop with Squire Blake's harriers,—and to ar produced by riding a horse for a considerable time, and urging him forward, without allowing rive at the scene of the new drama, which was him to stale; and this is more likely to happen, should the groom have given him a urine ball, which is not an unfrequent occurrence. The bladder by such treatment becomes unusually irritable, and contracts upon a smaller quantity of urine than it did in its healthy state, consequent ly he wants to stale the more frequently.

The Ball:-Take of Camphor, two drams; Powdered opium, half a dram; Ni're, one o'mce;

Flour and syrup enough to form a ball.

Sporting Olio.



FROM THE ANNALS OF SPORTING.

A DAY'S HAWKING IN THE COUNTRY OF THE DRUIDS.

"With hawkes and hour de he made bim bowne. With horne and eke with bowe; To Drayton-Basset took his waye, With all his fordes arowe."

antiquarian; and which have, and will, most stantly pursued, and the scene which followed probably for ages, continue to be known under was full of vivacious animation; for, as the fal-

e significant title of Stonehenge. con coursed the airy quarry, the down was peo-Since the demise of the Duke of Queensbury, pled with horsemen, who, at their topmost speed, Lord Rivers, and other noble and eminent cour flight of the winged hunter; but the wing was

pardon me, therefore, ye initiated, if, from one flight for existence, when it was at once despatch-

We started—three of us,—but it is hardly fair ments, for the stout gentleman upon the little the big one, would not thank me, it may be, for easily retained. the muster roll. Let it suffice, that, with a little now about to often upon us, just as the lord of sports, or, rather, the principal manager in the piece, came on the ground, with his falconer, hooded, upon a frame. They were young birds, enjoy again other such antiquated, but amusing and six in number; and, with their knowing exhibitions.

A COURSER. head gear, and fine top-not decorations as they sat "nid-nid-nodding," they really looked like half a dozen of very grave, potent, and interesting little creatures.
The scene of action was an extensive turnip-

field, in which it was known partridges abounded. As soon as Col. Thornhill, (the proprietor of the hawks,) Sir Francis Burdett, Sir Hussey Vivian, and others, his companions, had arrived, and the spectators had been ranged outside the field, a hawk was taken from the perch, unhooded, and permitted to fly. It immediately towered, and hovered over the field, and, by and-by, so that you might almost have fancied it an airy pointer, he seemed to beat backwards and forwards, quartering his ground, as it were, in evolutions similar to those used by the staunch quadruped. A partridge was, at length, put up; it was immediately pounced upon, and struck to the earth; but the blow was not fatal, it again rose, and fluttered, as if for protection from man, into the midst of the company. Even here it was followed by its eager enemy, and on its again attempting to rise in air, for life and liberty, was, "at one fell swoop," annihilated. This hawk was then taken from the prey, and another sent abroad on its flight of destruction. This was a young bird that had rarely been tried before, and, immediately it found itself at liberty, it darted, With all his fordes arowe." like a lightning-flash, and was quickly at a dis-Yes, my good friends, I have almost fancied tance from us; and I should think it fled for that the olden time was come back again; that more than a mile before it retrograded. As, at the sports which have been for a long time only the call of the falconer, it was returning, a partthose masses of antiquity, which have hitherto and dismantled Stonehenge .- the wonder and the haffled the genius and inquiries of the scholar and monument of the brown desert. The hawk in-

been struck down, the falcon would not attempt I had little previous knowledge of this grade to finish the work of death; but hovered round,

> any wild flight, by a lure cast up into the air, and which was nothing more than a stuffed figure, gaily coloured, and about the size of, and somewhat resembling, a fine parrot, which the hawks

> This was our day's hawking; and though the

King Edward would a hunting ride, Some pastime for to see,

with "hawkes and hounde," as expressed in my motto, yet as mementos of curious and ancient pastimes, I should never regard getting a soaked supporting the hawks, which were perching, pastines, I should never regard getting a soaked hooded, upon a frame. They were young birds, enjoy again other such antiquated, but amusing

FOWLING-PIECE.

To the Editor of the Annals of Shorting. Sir,-Will you or one of your correspondents of cleaning the fowling piece, and whether it last week's rates, with every appearance of a still of hop tea and one pint of molasses. Mix cold if so, what oil is best, buse displayed, and, greater advance." if so, what oil is best: by so doing you will oblige,

A constant subscriber,

16th September, 1824.

Always ready to contribute whatever in us lies towards the advancement of every species of sport, we proceed at once to fill up the chasm in the knowledge-box of N, by an extract, quite in point, from "The shooter's Companion," by Mr. Johnson, of Liverpool, a little book (by the way) which neither N, nor any other missile sportsman should long remain without perusing.

Cleaning the Fowling piece.

This operation, says Mr. Johnson, is so obvious and so well known, that it would appear time worse than idly spent to describe it. Nevertheless I will take the liberty to say a few words on the subject. Those who wish to shoot with pleasure and precision, must keep the fowling-piece always very clean. After returning from an excursion, though I may not have had a shot, and have only flashed the powder off prior to going into the house, (a rule which I invariably observe,) the first object to which I dedicate my attention, after having taken a little refreshment, for nne new-500 bags sold at the 12ast fluid lite, of a voly small quantity attention, after having taken a little refreshment, House at 14s. 6d. to 15s. 6d. per cwt. for middling it, it cannot be distinguished at all. It is good, not omitting the inside of the locks if rain should white. have overtaken me; an operation that takes up but a few minutes, and to which nothing more is demand-St. Petersburgh clean at £38 per ton. sary is, merely to look on while a gunsmith per- 35s. 3d. per cwt. forms the operation, twice or three times at

Of Oil and the best mode of clarifying it.

All vegetable oils possess a harder quality, and are more apt to become cloggy, than animal oils; and are, consequently, not so well calculated for the fowling-piece, the locks in particular. Neats-foot oil, and the oil from sheep's feet, generally contain a considerable quantity of feculent matter, which may be separated by the following simple process: drop a few small pieces of lead into the bottle, and hang it in the sun for a week or ten days, when the residuum will sink to the bottom, leaving the oil remarkably pure, and admirably adapted for the purpose just mentioned. If it happens in the winter, when the sun is not sufficiently powerful, hang the bottle near the fire, to keep the oil perfectly fluid, otherwise the residuum cannot sink. Goose-grease, or the fat of fowls. in general, will answer the purpose fully as well, it clarified in the manner described .- A profusion of oil is not to be recommended-if the locks are rubbed with oily flannel or tow, it will be sufficient; the inside of the barrel should be wiped with oily flannel or tow, immediately after washing, while it is warm .- I rub the outside also, as well as the stock, and, indeed, every part of the fowling-piece.

Scraps from English Papers.

Extract from a letter dated " Liverpool, Dec. 2, 1824.

"The demand for Cotton to day is very good, and full prices are easily obtained."

Another letter of the same date.

to only 8000 bags, this week it has been more ani-leigh.

London Price Current, Nov. 30 .- U. S. Bank Shares, £24 17s. 6d. sellers-N. York 5 per cent. from 1st October.

London Market, Nov. 30.

Cotton .- The market was steady last weekthe sales consist of 100 Madras, at 6 1-4d, to 6 1.2d. per lb .- 900 Pernams, 11 1-4d. to 11 1 2d .- 200 Surats, 5 3-4d. to 6 5-8d.—150 Bowed, 8 3 8d. to 8 5-8d. all in bond, and 250 Egyptian, 10 1-4d, to hours in six gallons of water, then scald 2 quarts 10 1-2d. duty paid.

Coffee. The Coffee market was dull; no public sale to day, and prices without alteration .-Berbice and Demerara have gone off at a further decline of 3s. to 4s. since last week. Jamaica pretty bottle. steady, but heavy of sale ;-St. Domingo, rather a large parcel sold this day at 58s. 6d., a few lots

been steady. On Tuesday 350 bbls. of Carolina It is not easily distinguishable from real coffee, went at 32s. 6d. to 33s. 6d. Holders are asking 35s. and if its use is daily alternated with that of cof-

Hemp, Flax and Tallow .- Hemp is in steady requisite in addition to the screw-driver, than a Flax commands fully former prices. Tallow treated in the same manner as coffee, make a spring cramp. There is no difficulty in the mat-rather inquired for. St. Petersburgh Yellow Candruk resembling chocolate, but better flavoured. ter, and the only introductory lesson at all neces-idle rather firm-Sellers asked 35s. Buyers at

former currency. Market quiet.

Recipes.

Cure for Bots.—1. Half a gallon of sweetened tity of spirits of turpentine.—Kraaft's Distiller. milk, and in an hour after, an ounce of calomel. 2. An ounce of calomel. 3. A pint of tar. Each has been recommended as successful. Dr. Green, of Massachusetts, says the irritation of the bots spice wood twigs, young pine tops, the running produce inflammation and render a large bleeding black brier roots, of each as much as can be from the neck proper.

little of this mixture along the spine from head This receipt is communicated by one of the to tail directly after shearing. It will preserve principal planters of Wake, who assures us that the sheep healthy, and improve the wool at next he has repeatedly witnessed its efficacy. shearing.—J. Nelson, Esq. of Mecklenburg, Va.

frozen vegetables from a watering pot.

other pleasant bitter may be substituted) one bleeding and calomel. The disease is said to be handful of sassalras roots, a pint of dried apples, a bilious remittant fever. a bandful of burdock roots, a large loaf of corn bread: simmer in six gallons of water for two or three hours then boil ten minutes. Strain and pound of drying oil, (oil in which litharge or

Another.-Boil half a bushel of shells of peas 101 1-2 a 103-Three per cents. 79 1-2, dividend in three gallons of water till the shells have an insipid taste; pour the water which will be sweet into a clean keg, add half a pint of yeast and an ounce of ginger. You will soon have a fine, pungent, amber coloured beer. It should be well bottled when fermented.

> Another .- Boil two ounces of hops for three of molasses and turn all into a cask boiling het, add two spoonfuls of ginger and a gallon or two of cold water and a pint of yeast. The next day you will have fine beer. The cost of either of those kinds of beer is not more than two cents a

58s., the quality of which was good to fine ordinaty, which may be considered a fall of about 1s ly in an oven after the bread is drawn. When per cwt.—some very good ordinary. Brazil, also wanted for use, parch, grind, and prepare in the Excellent substitute for Coffee .- Cut sweet po-Rice.—Every description of this article has equally good to the taste and more wholesome. very cheap, and what is more, it is American.

Substitute for Chocolate. The seeds of ocre

To make Gin .- To 30 gallous of whiskey add Oil.—We have little alteration to notice in the salt, four ounces of quick-lime, one quart of strong ley, and four ounces of hops. The quantities may be varied according to the relative strength of the articles. An inferior kind of gin is made by distilling whiskey with a small quan-

Cure for Yellow Water in Horses .- Take of walnut tree bark, red oak bark, sassafras roots. grasped in both hands, boil in four gallons of water to two, then add half a pint of soft soap, To cure the Rot in Sheep.—Take three quarts dose a quart of this decoction morning and eveof tar, three of train oil, boil together and stir in
one pound of brimstone finely powdered; pour a peras. The horse should be stabled at night.

Another .- A physician in Pennsylvania (we To preserve Garden Vegetables from being in- believe Dr. Gregg) informs that he cured the jured by frost. - After a freezing night sprinkle disease in his own horse by drawing at two or by day break cold water plentifully all over the three times between two and three gallons of blood, and giving an ounce of calomel, and the same of jalap at once for a purge. Dr. Rush in-To make Beer .- Take 2 quarts of wheat bran, forms that the disease has been cured in the one pint of hops (or wild cherry tree bark or any neighbourhood of Richmond by early copious

add one pint and half of mulasses while hot .- sugar of lead has been boiled) two ounces yel-When cold pour into a barrel and add a pint of low wax, same of spirits of turpentine, half an yeast. In twelve hours bottle it. If a pint of ounce of rosin or burgundy pitch, mix and melt meal of barley malt can be added, the molasses together and apply warm to boots and shoes both may be used in less quantity or not at all. This upper and soal leather, and expose to dry in by "The demand for Cotton was limited during makes a very palatable and wholesome drink for the sun; then renew the application and so on the whole of last week, the sales of which amount warm weather, and is now in common use in Ra- until completely saturated : when thoroughly seasoned, and not before to be worn. It will not only

keep the feet day, out make the leather more durabie. Dr. Rush calls this Old Men's Blacking

Properties of perfect Cattle .- Head small and clean, neck thin, chest deep and bosom broad, ribs standing out full from the spine, back wide and level, the udder large, the legs short, and be-low the knee straight and bony, the hide mellow. Short legged round Sheep are best, are casiest kept, and being fatter, have of course finer and more wool.

by two medical men who have published the re-

NOVEL INVENTION.

A new and useful article.- The New York Compencil in taking notes and making memoranda.

PUBLISHED IN THE AMERICAN FARMER BY ORDER OF THE STATE.

A report of the tobacco inspected at and delivered from Baltimore Co. Inspection Warehouse, during the quarter commencing on the 1st Monday in October, 1824; ending on the first Monday in January, 1825.

	Domestic growth.	Growth not of this state.	Re-in- spected.	Total.
Number in- spected.				ec
Number de- livered.		21		21

for J. Stevenson, Inspector, JOHN BERGER, Clk.

TRASURY OFFICE, ANNAPOLIS, Jan. 15, 1825 True Copy, from the original report on file in this office. B. HARWOOD, Tr. W.S. Md.

A report of the tobacco inspected at and delivered from Upper Marlborough Inspection Warehouse, during the quarter commencing on 1st October, 1824, and ending on 3d January, 1825.

	Domestic growth.	Growthnot of this state.	Re-in- spected.	Total.
Number in- spected.	67			67
Number de- livered.	123	•		123

SCOTT & BARRY, Inspectors.

TREASURY OFFICE, Annapolis, Jan. 8, 1825. True Copy from the original report on file in his office.

B. HARWOOD, Tr. W. S. Md.

THE FARMER.

BALTIMORE, FRIDAY, JANUARY 28, 1825.

THE VALUE TO FARMERS OF THE VETERINARY SCIENCE.

this science, and the valuable results that would one to make himself familiar with the rudiments ensue to the agricultural community by the dif- of comparative anatomy and the veterinary scifusion of a knowledge of veterinary principles ence—that he may be ready to perform to the and practice through the country. To furnish a brute creation those offices of kindness which are model for an institution, such as the Veterinary dictated equally by the injunctions of religion and Origin of Bots .- They are produced from nits College in London, we gave a history of the ori-the spontaneous suggestions of enlightened hudeposited on the hairs of the horse by the horse- gin and the laws and regulations for the govern- manity. bee, and being bitten off by that animal and swal- ment of that celebrated establishment. We deem lowed, in the stomach produce Bots. This has it worth while now to state a case which fell unbeen ascertained by a course of experiments made der our own observation, to shew the practical value of skill, acquired by study and experience the growth of Florida, were passed to our hands sult of their enquiries in the Philadelphia Medi- in the treatment of one of the most violent diseases through the Secretary at War, and submitted for cal Museum and the Boston Medical and Agricul- to which man or brute is liable. It is the case inspection to Mr. Jackson, who has had the supof a very valuable saddle and harness horse, half ply of the raw material under his superintendence tural Register. The preventive remedies pro-posed are to scrape off the nits, or to smear them brother of the celebrated Eclipse. He had been since the first establishment of the celebrated with mercurial ointment or spirits of turpentine, standing for ten or fifteen days without exercise- Waltham Manufactory,-The samples have been mercial Advertiser says, Mr. Lewis, the engra- was put off at once at full gallon-when he had doubtless become an object of great importance ver, of that city, has for sale a newly invented gone about one and one-quarter mile to the first in that valuable acquisition to our country. pencil, which sharpens itself and is effectively bridge on Market-street, he was perceived to be secured from breaking in the pocket.—When the sluggish and to move with reluctance.—In going the land given by Congress to Gen. La Fayette lead is put into the case, there is no further troutwo hundred yards further these symptoms so inwould probably be located in that territory. ble until it is entirely used up. This pencil must creased that the rider immediately dismounted—be a very convenient article for reporters, and found his faithful and usually animated beast, with others, whose business leads them often to use a his tail drooping, profuse perspiration ensuing, and his countenance expressive of great agnny. He in prices—Not a hogshead of tobacco sold for a at once concluded to return on the Pratt-street fortnight. When business opens next month we road, and to get him, if possible, into the hands of Messrs. Budd & Fenner, at the corner of Sharp and Lombard-streets. In less than fifteen minutes he was as wet as if he had been dipped in the river-as he passed the boys in the street they did not fail to note his peculiar and extraordinary appearance. In short, it was with the greatest difficulty he was got to their stable.

Mr. R. H. Budd was at his post, and the horse committed to his hands. He pronounced his illness to arise from a spasmodic affection of the stomach. So severe were its effects that it produced a general paralysis of the system, more particularly of the hind extremities, which in fifteen minutes had lost all power of action. In this excruciating condition the noble animal remained for nearly four hours, and was supposed by his Pittsburg, in the expectation, by this northwest owner, and many spectators, to be on the eve of

dissolution.

In ninety-nine cases out of one hundred, in the country almost any where, the horse would have died, for in this case Mr. Budd had drawn a gallon of blood in less time than it would take, according to our observation of Maryland practice, to find a bridle to bridle a horse, to ride to a neighbour to borrow a phleme to bleed him.-By-the-by it slipped on his apron-laid his hand at once on his the vein without tying the neck at all, made his g oom hold up the horse's head, whilst he pressed the edge of a tin bucket close just below the orifice—the horse bled freely—In a word, the treatment was prompt, powerful, and successful. It consisted in taking near two gallons of blood—of Bood and Job Printing executed with nearness and despatch—giving nearly as much castor oil, an opiate draught It consisted in taking near two gallons of bloodgiving nearly as much castor oil, an opiate draught with a repetition of glysters, at the same time

keeping up a regular perspiration by clothingthe horse being prostrate in the stall, and cover-

ed with blankets and rye straw.

The whole case should be a caution against feeding too high when the horse is not exercised - against moving your horse rapidly until he has had time to void himself; and above all, it incul-In a late number we spoke of the importance of cates the obligation and the advantage upon every

COTTON OF FLORIDA.

Some beautiful samples of this valuable staple, highly fed and rapidly laying on fat—He was taken returned with remarks applicable to each, and of at four o'clock from the stable to be rode, under which a further account will be given in our next. the saddle, about four miles out—the weather was —Mr. Jackson proposes to make a large purraw and sharp, and the evenings being short he chase of the article, and the culture of it will

T MEMORANDA.-We have heard it said that

PRICES OF COUNTRY PRODUCE.

shall be very particular in our reports.

The Pittsburgh Gazette states that the eastern section of the Grand Canal of New York "will be finished next summer; in anticipation of which event the citizens of New York are building new steam boats to extend their commerce to the various ports on Lake Erie, and are even forming transportation lines to conduct it into the interior of the adjacent states. Two new steam hoats are at present on the stocks, at or near Buffalo; and the agents of a transportation company, now employed along the unfinished section of the canal, recently visited this place to make arrangements for placing a branch of their line of transpassage, of supplying us and our neighbours with goods from the city of New York, at a cheaper rate than we can procure them from Philadelphia."

CONTENTS OF THIS NUMBER.

Replies to various practical questions on Agriculture, lately propounded in the American Farmer—Meeting of the Agmay be worth while to describe the manner in this operation was performed so expeditionally—without waiting as is usual to look for a limit with some in Pennsylvania and Massachusetts—On the with come in Pennsylvania and Massachusetts—On the tiously:—without waiting as is usual to look for a hill-side and horizontal Plonghing in Albemarle, Virginia—string to tie about the neck for the sake of "raisting to the neck for the sake of "raisting to the neck for the neck for the neck for the sake of "raisting to the neck for phleme and stick, which every farmer should A day's hawking in the country of the Druids-On cleaning phleme and stick, which every farmer should a Fowling-Piece—Scraps from English papers—Recipes—have in its proper place—struck it at once into Properties of perfect Cattle—Origin of Bots—Novel invention-Tobacco Reports-The value to farmers of the Veterinary Science-Florida Cotton-Prices Corrent, &c.

per directions promptly attended to, addressed to J. Robinson, Bal-timore.

AGRICULTURE.

From an unfinished volume of Agricultural Memoirs.

ON THE CULTIVATION OF RUTA BAGA AS A SECOND CROP;

With an estimate of its comparative value for feeding stock: By J. BUEL, of Albany.

Having for several years grown the common white turnip with uniform success, on ground where the same season I had cut wheat, barley, rye, &c. I was induced, in 1822, to hazard the experiment, then to me a novel one, of raising the Swedish turnip after clover. My success in that and the two subsequent years, has fully confirm-Board, vel. ii, p. 250.

The second experiment was upon a lay, partly of lucerne, too thin to be worth preserving, and partly of clover. The first was cut twice for green food, and the latter once for hay. The ground having been manured, was ploughed and harrowed, and the seed drilled in, at the distance of three feet, between the rows, the 28th June .-The crop was cleaned, thinned and hoed in the usual way; and the product was between five and six hundred bushels, or about sixteen tons, on the

acre. Encouraged by this success, I this year put in two and a half acres. Being short of pasture, I fed off the clover in June, instead of cutting it for hay; manured, ploughed and harrowed the ground. A man was employed half a day in putwas betwen 13 and 1400 bushels. Some of the roots weighed between 15 and 16 lbs. each. The tops, nearly equal in bulk to an ordinary crop of as flesh. The roots were pitted in the field.

Messrs. I. & J. Townsend, who cultivate a farm adjoining me, have raised ruta baga the three last seasons, the last of which was upon a clover lay, where the grass had been mown for hay. They have used their crops in fattening bullocks, with ordinary pasturage, two, and sometimes three good success.

The following is a fair estimate of the expense of cultivating my cron the current year:

the state of the s
2½ days ploughing, man and team, . \$2 50
1 day harrowing, 1 00
½ day man drilling in seed, 0 25
$2\frac{1}{3}$ lbs. seed, at 75 cents, 1 87
Man, boy and horse, one day and a half,
going through twice with the cultiva-
tor, 1 50
10 days work in thinning and weeding
once, 5 00
12 days do. in pulling, topping and pitting
2½ acres, 6 00
\$18 12
50 loads manure, and spreading, . 26 50

expense of the manure, though not more than a third or a half should be charged to the crop .-Assuming as a fact that the product was 1400 because it had given its crop of clover; and the a cow or an ox, at that season, than 12 lbs. of hay,

. . . \$34 62

Total expense,

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the labour, I will state my mode of culture some-linued 20 days in May, till lucerne is fit to cut. loam, requires but one ploughing for any crop, nine head of cattle till the first of August. But and is soon pulverized by the harrow. This work as they may not keep later than the 10th or 15th man in the same way that a wheelbarrow is; and to the early mown fields. it requires the same time to drill in and cover the seed, that it would to furrow the ground for corn, ax or grubbing hoe, an opening may be easily made The seed being sown in drills, an implement call-linto a pit. The whole of the roots are taken out ed the cultivator, which cuts 22 inches, destroys the weeds and mellows the soil between the rows. The thinning and weeding are performed by turnip-hoes, the blades of which are about an inch and a half wide, and eight inches long; their extremities being rounded, turned up and united, ed me, not only in the practicability, but in the economy of the practice. The result of my first through the strip left untouched by the cultivator, form a shank for the handle. With one of these, from the pits, and spread on the floors of the a man walks between the rows, and draws it barns. The lucerne will be a valuable auxiliary leaving the plants standing only at intervals of nine to twelve inches. After a little practice, a labourer will thin half an acre a day. I have es- think it will afford me a continued supply, until timated one fourth of an acre as a day's work .-In harvesting, pits are made at convenient distan- tured. ces, five or six feet square, and eight or ten inches, only, deep. The roots are drawn up with the account will stand thus:a potato-hook, and thrown to the edges of the pit, where a boy seizes them by the tails, and, with a large knife, strikes off the top at a blow, and throws them into the pit They are raised in a pile two or three feet above the surface, and brought to a point, slightly covered with straw and two or three inches of earth.

It remains to be shown, that the crop thus produced is really worth what it has cost; to wit, two and a half cents the bushel, or thirty four dolting in the seed with a drill-barrow. The crop lars sixty two cents in the gross team perhaps ting in the seed with a drill-barrow. it is to be applied, and the manner of consuming it. As my farm is small, it is of importance that every acre should be appropriated to the most grass, were fed to my cows in November and De-cember, with great benefit to their milk as well profitable use. I keep seven good cows, and a yoke of oxen. To render them profitable, it is necessary they should be well kept. With small enclosures, a good selection of grasses, and frequent shiftings, a cow may do tolerable well with an acre of pasture; but in a single enclosure of acres to each cow are found necessary to render the dairy productive. Assuming what I conceive to be a fair medium, I should then require eighteen acres of pasture to keep my nine cattle till the first of August; and about six tons of hay (allowing each animal to consume 24 lbs. per diem, or a ton in three months) to keep them these eighteen acres of pasture converted into mowing ground, estimating the product at two tons per acres, (and I would not commute at less than three tons,) would give 36 tons of hay .- The fair average price of this is \$10 the ton. Deduct \$4 the ton for curing and marketing, and it leaves a clear profit of \$6 the ton, or \$216 on the whole eighteen acres, which I propose to convert from pasture to meadow. Now if I can keep my stock, and keep it well, without the aid of these eighteen acres, my gain will be the difference between the profit on 36 tons of hay, or \$216, and Or, \$13.34 the acre. This is allowing the whole the actual expense of the food on which it sub sists. This brings me to the first point suggested-the uses to which the turnips are to be applied,

I propose to feed them at the rate of one bushel

what in detail. The ground being a sand or sand The 1400 bushels ruta baga will, at this rate, feed was therefore done in less time than is stated in the estimate. The drill-barrow is propelled by a resort will be had to clover, if the lucerne fails, or

While the ground remains frazen, with a pickof it, put in the barn, and covered with straw .-They are fed without being cut, in the yardsthey being kept well littered-or in the stables. When the ground has thawed, they are placed in mangers or troughs, in the stables, sheds or yards. And in April and May, the roots are all taken after the 15th or 20th May. This grass will bear cutting three times, at intervals of 30 to 35 days; and as I have an acre of it in excellent order, I my meadows and grain fields are ready to be pas-

According to the data which I have assumed,

Profit on 18 acres in meadow, \$216 00 From which we are to deduct,

Expense of 1400 bushels ruta \$34 62 buga, .

Value of an acre of lucerne, say, 20 00-54 621

Difference or gain, S161 375

I have made no account for feeding the roots and lucerne, as I think the manure, the value of which is not generally appreciated, will afford an

ample remuneration.

The preceding result, I am aware, will, by many, be deemed altogether visionary. I confess it is calculated to surprise those who have never had the opportunity of appreciating the value of this root; yet on re examining the estimate, I do not find that I have erred in its favour. I have cultivated the ruta baga six years, and my opinion of its value has continued to increase. It is not only valuable for neat cattle, but, when boiled or steamed, for horses and swine; and there is nothing superior to it for sheep. It is also in the spring a fine vegetable for the table. It has been a sure crop with me; bears much frost without injury; does not become pithy, and may be kept as fate in the summer as the potato. Yet it is generally getting out of credit, from the circumstance of tew persons having been successful in their atthrough the months of March and April. Now, manured, cleaned and thinned when the plants tempts to cultivate it. If sown on a light soil, well are small, and the ground kept well stirred, it cannot fail to remunerate the cultivator.

PROPER TIME FOR SEEDING WHEAT TO PREVENT FLY.

TO THE EDITOR OF THE AMERICAN FARMER. Frederick County, Md. Jan. 4. 1825.

Sir,-In looking over the contents of the thirtyninth number of the sixth volume of the American Farmer, I noticed the different result experienced by two respectable gentlemen in preparing their seed wheat, and what the effect and benefit was that they found from it. As it appears bushels, the expense falls short of two and a half per day to each animal, commencing the first of Mr. Birnie was disappointed—the steep and lime cents the bushel. I make no charge for the ground, March. As 60 lbs. of roots will be far better for had not the desired effect to prevent the fly from tops more than compensated for the after-feed.—
Besides, it is greatly enriched, and made clean, and in fine order for a barley crop, by the manure and turnips.

This saving, which will be equal to \$30, 1 will be feet with Mr. Birnie.

Being satisfied by extended the quantity of hay fed to them may be diminishperience, that the preparation he applied to his seed wheat had the desired effect in his crop, but saving of three tons of hay in March and April cannot account why it had not the same good effect with Mr. Birnie.

Being satisfied by extended to the quantity of hay fed to them may be diminishperience, that the preparation he applied to his saving of three tons of hay in March and April cannot account why it had not the same good effect with Mr. Birnie. injuring his wheat. Mr. Buel is satisfied by ex-That I may not be charged with underrating take no account of, as the feeding may be con-two gentlemen have given the result of their experience to the public for the benefit of others, which is so laudable in them, and should be done by every farmer, I will now give my opinion wherein Mr. Birnie mismanaged in seeding, and thereby had the heavy loss in his crop. By at least fifteen years of experience I have found see! wheat, prepared as Mr. Buel states he does, and sowed between the 20th and the 29th of September, the fly did never destroy, nor even hurt to be complained of. To sow later than this in our district of country (without the land is very strong) the fly will take it in the month of May, and destroy it; sow it earlier the fly will get in Cotton raised in Florida, which has been transthe young crop in the autumn, and injure it also; therefore, I have found it is necessary to observe the right time for seeding, and even more so than that I could not better dispose of them than by any part of the work to raise a crop of wheat. It is immaterial that I differ with the gentlemen in nics and manufacturers may see and judge of their what way the fly is propagated-to find out the quality, I have a real pleasure in transmitting proper time for seeding is of much more consequence.

A Frederick County Farmer.

quanty, I have a real please them to you for that purpose.

With great regard and est

SOME REMARKS ON THE CULTURE OF LUCERNE.

TO THE EDITOR OF THE AMERICAN FARMER.

Sir,-In your 5th vol. page 214, is an article on lucerne, taken from the New-Brunswick Times. I have read in some newspaper the remarks of

the New-Jersey Farmer, and observed that you had omitted a part which I think material, and therefore endeavour to supply the omission as

well as I can from memory.

The New-Jersey farmer recommended sowing rye, with lifteen to twenty pounds of lucerne tion of some of the most experienced manufact which have reached our hands for distribution seed to the acre; and if spring rye could not be turers in Massachusetts, and they have been resince the last session of Coppress, chief. got, to use winter rye. Last spring I sowed one acre with a half bushel of spring barley and 16 we make the following extract: "I enclose a letpounds of lucerne seed, and another acre with the ter addressed to me on the subject from P. T same quantity of seed and a hall bushel of win- Jackson, Esq. to whose efficiency and sound judgter rye. The object in sowing grain is to serve as ment the Waltham Manufactory, I believe, owes a nurse to the young grass against the heat of the scorching sun. The barley quickly grew up so The remarks of this gen as to protect the young grass, and being thin did timated, when it is known that the supply of the not smother it. The rye being thin, branched out, raw material has been under his superintendance and for some time did not shoot up like the bar-since its first establishment." ley. The grain of the barley was heavy and fine, and the produce was full half a crop; the rye produced no grain. I directed the barley to be mown high, in order that the young grass might be injured as little as possible. The lucerne on both acres was mown about the last of August; by the last of September it was knee high, and my overseer wanted to mow it again, but I forbid him, thinking it would check the growth of the roots, and prevent the grass putting up so vigorously in the spring.

It may be proper to remark, that the early part

of last summer was seasonable.

In order to have the quantity of seed regularly sown, I directed that each acre should be divided into eight equal parts, and two pounds of seed sown on each part, so that it might readily be ascertained whether too much or too little seed was used. The sooner it is sown in the spring the better, provided the ground is dry and in good order. The ground ought to be good, and well cultivated the preceding year in potatoes, or cultivated the preceding year in potatoes, or agent for several factories: Nearly equal to best some other crop, to destroy weeds, as weeds are Sea-Island. If sown near salt water it would be ers and manufacturers of hemp, and answers revery injurious to the young plant.

It is important to procure good seed; Robert Sinclair last spring had some very fine, which he so good a staple, nor is it so soft and silky as good sold at a half dollar a pound. In order to be cer- Sea-Island. tain of good seed, I have for two years imported tain of good seed, I have for two years imported it from Liverpool, where it was procured for me by Messrs. Wm. & James Brown. The cost, good, equal to fair quality Sea-Island.

By P. T. Jackson: Very soft and clean; fine fibre; longer staple than New-Orleans; but not fibre; longer strong as Sea-Island.

Let Mow Ard the present mode of cultivation, there are some errors, which may readily be corrected when more attention is paid to it.

FLORIDA COTTON.

In our last number, mention was made of some heautiful samples of Cotton, transmitted from Florida by Captain Burch, of the Quarter Master's Department, through the hands of the Secretary at War, who is amongst the most accomplished practical planters, and enlightened promoters of the interests of Agriculture in our country-His letter follows :-

Washington, Nov. 25th, 1824.

Dear Sir,-I enclose herewith four samples of mitted to the Department by Captain Burch, of the Quarter-Master's Department. Believing placing them in your hands, where the mecha-

With great regard and esteem,

I am, dear Sir,

Your most obedient servant, J. C. CALHOUN.

JOHN S. SKINNER, Esq., Baltimore.

The samples were of Cotton cultivated by John Garnier, Esq. of Santa Rosa Sound, and were accompanied with the following memoranda:-

No. 1, from Sea-Island seed.

No. 2, from Mississippi and Mexican seed.

No. 3, from Mexican or white seed.

No. 4, from Mississippi seed.

They were all sent to our friend S. W. Pomeroy, to be subjected by him, to the examina- the surplus of grains, grasses, flower seed, &c. cently returned to us with a letter, from which publick spirited Officers of the Navy.

The remarks of this gentleman will be duly es-

Mr. Jackson's Letter to Mr. Pomeroy.

Dear Sir,-I have examined the cotton you handed me, and have made some short remarks on each sample. It is very difficult to judge of the quality by such samples. I can say, generally, that I think them very good; and that cotton of like qualities would bring in this market high prices. I do not so much like Nos. 1 and 2, but would like to purchase of Nos. 3 and 4, 50 to 100 bales of each kind on trial, and, perhaps, half as the Navy to be laid before the Senate, at the much of Nos. 1 and 2. I shall want of cotton commencement of the next session of Congress, like Nos. 3 and 4, about 2000 bales next year, and if the gentlemen who forwarded this can send me 100 bales this season on trial, I might be able to contract for part, at least, of my next year's supply.

Your obedient servant, P. T. JACKSON.

Boston, Jan. 15, 1825.

Remarks on No. 1, from Sea-Island seed, by an answer marked A.

Remarks of P. T. Jackson: Very clean, but not

Remarks on No. 2, from Mississippi and Mexi-

Remarks on No. 3, from Mexican or white seed, by an agent for several factories; Similar to the best New-Orleans, but not so strong, though equally fine.

By T. P. Jackson: Very soft and silky and

clean, but not very strong.

No. 4, remarks by an agent for several factories: Equal to the best New-Orleans, or any short staple cotton in the world.

By P. T. Jackson: Very soft and fine, and clean. For the use of Waltham Manufactory, we prefer

cream colour.

Remarks by a merchant who has long been an importer and dealer, and is considered one of the best judges, of that class, in Boston: On No. 1, degenerated much in staple from the Georgia Sea-Island, but better than prime New-Orleans. On No. 2, superior to the Mexican or white seed in length and fineness of staple. On No. 3, rather huer, and better staple than Georgia Upland; considered of same value. On No. 4, equal to prime New Orleans.

Thus we have given the result of the examination of a valuable commodity, to the growth of which it seems this newly acquired and rich territory is well adapted. But after all the only one to the remarks in the hands of the reader, consists in the designation of the seed from which the samples were produced. To appreciate the information, and to draw practical deductions from it most effectually, it is also necessary, we are aware, to have a view of the samples; we shall deposit them, with this paper, in the room of the Committee on Agriculture at Washington as usual, together with

-00 REPORT OF THE SECRETARY OF THE NAVY.

We have pleasure in laying before our readers the following interesting report of the Secretary of the Navv-It throws valuable light on a subject in which the landed interest is much concerned, and which, if they take due advantage of it, will avail them to great profit-especially the western portion of the United States.—Edit.

> NAVY DEPARTMENT, January 5th, 1825.

Sir,- In answer to the resolution of the Senate of the United States, of the 17th May last, "That the President of the United States be requested to cause a report from the Secretary of commencement of the next session of Congress, showing the reasons, if any, why canvass, cables, and cordage, made of hemp, the growth of the United States, may not be used in the equipment of national vessels, with equal advantage as if of foreign fabric or materials," I have the honor to present to you the following report:-

The resolution was communicated to the Board of Navy Commissioners, who have furnished the

ceived, from which the extracts marked No. 1 to 5 are taken.

From these and other sources of information, the following conclusions are drawn.

1st. That hemp may be cultivated in the Unit-

and preparing it for manufacture.

all purposes, equal to any other.

I have the honour to be, With sentiments of high respect, Sir, Your most obedient servant, SAM'L L. SOUTHARD. To the President of the United States.

> A. NAVY COMMISSIONER'S OFFICE, November 17th, 1824.

of the next session of Congress, shewing the rea-seed are perfectly formed and the capsule brown son, if any, why canvass, cables, and cordage, and hard, so as to be easily disengaged from the would not be liable, made of hemp, the growth of the United States, stalk;" and if, as is alleged, Irish flax is found. While these opi

Commissioners opened an extensive correspon tity of the former. dence with persons engaged in the manufacture of canvass and cordage, and they have consulted state, is defended on the grounds that, the youngall the authori les within their reach, with the er the plant, the finer the tissue: yet, it is stated view to gain such information upon the interest- as an unquestionable fact, that the flax intended the result proved unsatisfactory. ing question embraced by the resolution, as would for the finest hurhoses, is not pulled in the Nethassist in forming satisfactory conclusions and they erlands, until the seed are ripe. An intelligent now respectfully submit the following report:

hemp has not been used for that purpose in any tice which prevails in Holland, both as to the pe-disengage effectually the woody part of the plant of the large factories: though it has been sug-riod when flax is pulled, and their peculiar methgested, that, if hemp were sowed musually thick, od of steeping it. and pulled at a period to produce a fibre or hurl, The "high price of American flax, its unequal on a medium between the ordinary hemp and quality, and the uncertainty of supply," are urgyet not so coarse and rough as the former, it some of the manufacturers of canvass, after re-

canvass, there can be no doubt that the Amerito obtain a sufficient supply of American flax.

can plant, if water-rotted and properly dressed,

It appears to be the universal opinion of expewill make a cloth which may be used in the rienced men, that the process of dew-rotting flax equipment of our national vessels, with equal diminishes its value and its weight, injures its duced a sample of cordage, made, it is believed, advantage as if of foreign fabric or materials, colour, and impairs its quality and strength. The We have purchased a considerable quantity of experiments stated in the paper C, annexed, tend dipped in pyroligneous acid, and tarred about canvass made in the United States, of flax grown to confirm this opinion.

at Fairfield, Connecticut, where they are "in With regard to "cables and cordage, made of being laid; calculating, that the antiseptic prothat made from the Fairfield flax.

than the Dutch; that the American flax requires even if 1 could procure it at half the price of at least two-thirds more expense and twice the cordage made from Russia."

trouble of any other flax. The reason assigned Manufacturers and consumers of cordage apfor this by the American manufacturers is, that the American flax is not pulled until the seed are Equally decided is their opinion as to the quality ripe; whereas, in Ireland, it is pulled green; of the American plant in its natural state. They but, in opposition to this conclusion, it is said all say, that American hemp, pulled in the right that, "in the Netherlands, where flax is suppos Sir, The Commissioners of the Navy have ed to be the best prepared, generally speaking, received a copy of a resolution of the honourable of any in Europe; and in France, flax is always the Senate of the United States, of 17th May allowed to arrive at maturity, and is never pull- be preferable, because Russia hemp is injured last, calling for a report, "at the commencement ed, participarly in Holland and Zealand, until the from being heated on ship board; an injury to may not be used in the equipment of national vest to be more easily bleached than the Dutch, this there is another consideration, which addresses sels with equal advantage as if of foreign fabric or advantage appears to be more than counterbalan itself immediately and forcibly to the growers of materials."

Larly after the passage of this resolution, the yield 7 lbs. more of clean flax than an equal quan tween the product of given portions of plant, was

flax, that is stouter and stronger than the latter, ed as among the reasons which have induced might be found to be an advantageous substitute peated trials, to recommence the importation of jections may not exist, are points upon which the in the manufacture of canvass.

[Irish flax; while others observed that they have | Commissioners are uninformed. They have, With regard to flax for the manufacture of imported none since the fall of 1821, being about however, engaged a small supply of yarns from

the habit of water-rotting it;" and its quality is hemp, the growth of the United States," many not only considered sufficiently good for the ser- of the observations previously made, with re- tained in the process of dew-rotting, and impart vice, but equal to that of the best imported canspect to flax, are, in a great degree, applicable to the cordage a durability equal to that made of
vass. We have also purchased canvass made to hemp. In its natural state, American is bewater-rotted hemp. With a view to an experivass. We have also purchased canvass made to hemp. In its natural state, American is be-foreign and dew-rotted, American flax mixed, lieved to be equal to the best Russia hemp; the ment, the Cummissioners have engaged enough and it has passed inspection, though not equal to almost universal custom of dew-rotting it, is so of these yarus to make a nine-inch cable. Aldeleterious in its effects upon the fibre, as to pre-though the gentleman speaks very confidently as

3d. That, in its natural state, it is, in all im- 100 lbs. of Irish will yield 65 lbs. the like quan- further object to it, because "its staple is rough, portant qualities, equal to that which we are in tity of American dew-rotted will yield only 40 and occupies more time in the manufacture;" the habit of importing.

No reason can be discovered and, "generally comes to market in a slovenly 4th. That it is injured in the mode of rotting why the American flax should yield so much less manner, with various qualities mixed together, ad preparing it for manufacture. They say, that cordage 5th. That, if sown thicker on the ground, wa- fective process of rotting, dressing, and prepa- made of Russia hemp is preferred by the consuter-rotted, and prepared with care, it will be, for ring it for market. The American plant, in its mer, at an advance of 50 to 100 per cent.; that l purposes, equal to any other.

natural state, contains, it is believed, as great a dew-rotted cordage, "by exposure to the atmosoth. That canvass-cables, and cordage, manuportion of fibre or lint as either of the others, phere, becomes rotten, and after being used a factured out of it, as now cultivated, are inferior A respectable manufacturer has stated, that he short time, cannot be depended on." A gentlein colour, strength, and durability, to those ma- has long used the Fairfield flax, and that he con- man of experience says, "before the late war nufactured from imported hemp, and consequent-siders it "more flexible, less woody, and strong-we used some cordage made from Kentucky yarns ly are not as safe or proper for use in the navy. er than that grown at the south, and preferable

And that this is the reason, and the only reason, to Russia flax."

—many persons did it for the purposes of encouraging American productions; some of them had "why canvass, cables, and cordage, made_or Other, and apparently well founded objections, strong prejudices in its favour; but, after a fair hemp, the growth of the United States, may not are urged by the manufacturers of canvass against trial, those persons confessed to me that they be used in the equipment of national vessels, with common American flax. They say that in bleach- must give up the use of it; that it would not wear equal advantage as if of foreign fabric or mate-ing, the Irish flax has an advantage over every well, and they could not depend on it." The other description; that the colouring matter is same gentleman further observes, "I would not extracted from it with less trouble and expense use cordage made of Kentucky yarns or hemp,

> pear universally to concur in these opinions. season, water-rotted, and properly handled, would make as good cordage as the best Russia. Indeed, it has been forcibly contended, that it would which American hemp, used in the United States,

While these opinions appear well founded, ter rotted, and dew-rotted, is confidently believ-The practice of pulling the plant in a green ed to be greatly in favor of the former mode.

Experiments have been made by boiling and steaming, to avoid either process of rotting; but

Pushing their experiments with a perseverance which deserves, and must ultimately se-French gentleman, in a letter to Mr. Besnard, cure success, our countrymen have lately intro-The Commissioners beg leave to premise that (an extract of which will be found among the the canvass manufactured in the United States, papers accompanying this report) assigns reasons, is made generally of flax. They believe that which appear conclusive in favour of the praccess of rotting. The power of this machine, to from the lint, is spoken of confidently by those who have seen it in operation; but whether the hemp thus prepared, will be as serviceable as the water-rotted; whether it will not be more liable in bulk, to injury, from the gum and mucilage which are wholly left in it; or whether other obhemp thus prepared, and intend making experiments to test their strength and durability.

About twelve months since, a gentleman proof American dew-rotted hemp, with the yarns erties of this acid would obviate the injuries sus-The manufacturers of canvass object to dewrotted flax on various grounds. They prefer Dutch at 15 or Irish at 14 cents per lb. to this kind of flax at 9 cents per pound: because, while one thus rendering it seriously objectionable, particularly as at 9 cents per pound: because, while one thus rendering it seriously objectionable, particularly for cables. The manufacturers of cordage property of retaining a sufficient portion of tar for its preservation, particularly when used as cut or thrushed hemp, as may be agreeable. cables.

American hemp, in its natural state, is equal to hours, the seed is beaten out. Russia; and that the preference given to the lated for three tons of American hemp of this destrength and durability with the best Russia, on is put under wooden frames board the ship the North Carolina. The result on which stones are placed, or, have been carefully gathered, at the right sca- frames are covered with planks. son, and properly prepared, will enable the Commissioners to express a satisfactory opinion upon all respects, fully equal to the best Russia.

that the climate, throughout the whole country, the eastern, western, and southern states, as far directed before, on its being taken off the ground. South as, and including, Virginia. We have not heard of any grown south of Virginia; though, tinguished by the names of spring and winter southern states.

is hoped, afford satisfactory information upon the heat, though, if not shipped at St. Petersburg or "manner of raising hemp, and preparing it for Riga, before September, there is not much risk of market," and upon the other points, to which its heating any more on board the ships, especialyou have been pleased to call the attention of the ly on short voyages, as to England, and are the Board.

and which a strong solicitude to contribute to On being taken out of the water, it is left suspen-the improvement of every source of national in- ded in the open air for about a fortnight, when it dependence could not fail to excite, the Commiss is put into the kiln for twenty-four hours, after

I have the honour to be, With great respect, Sir, your most ob't servant, JOHN RODGERS.

Hon. S. L. Southard, Sec'y of the Navy.

On the culture and preparing the hemp in Russia, loaded into the barks. transmitted by the Hon. J. Q. Adams, Minis- The hemp, to be presented in the culture and preparing the hemp in Russia, loaded into the barks. ter at St. Petersburg, March, 1810.

In Russia, when the season is mild, the hemp seed is sown about the 1st June, old style. The richer the soil of the land employed for it, the better. A chetwirt of seed, (100 chetwirts are equal to 73 quarters, Winchester measure,) is feet) long and 60 fathoms broad.

The land is first ploughed and harrowed, and, ploughed, and the seed sown and harrowed the same day. In about four months the seed be- flat country should always be preferred. comes ripe, and the hemp is then pulled up with the roots; if it be allowed to remain too long in the ground, it is apt to become harsh. It is bound into heads or bunches of four handfulls each; these are hung upon sticks placed horizontally, thus, X-0-0-0-0-0-X and allowed to can Farmer.] remain so for two days. It is then made into

bles.

The cut hemp is made by chopping off the The proceedings of Congress, during their last heads containing the seed. These are put into session, and the opinions then expressed, that the kiln, and, after remaining there for eighteen

If thrashed hemp is to be made, the heads or ter, has arisen essentially, from the manner in tops must not be cut off, but the bunches of which it is rotted; have induced some of our hemp, placed entire in the kiln; and, if the distinguished by the style and title of the Marymost respectable farmers to engage in the culti weather be warm, it will be sufficiently dry in land Academy of Science and Literature. vation and preparation of hemp, upon the Russian system. The Commissioners have contractthe seed is separated from it, the hemp must be surer, Librarian, and four Curators scription, and directed it to be made into cordage put to steep or rot, either in a stream or a pond, of various kinds, in order to test its comparative and that the hemp may be entirely immersed, it classes; the one to be called the Class of the Sciboard the ship the North Carolina. The result on which stones are placed, or, where they are of this experiment, if the American hemp shall not to be had, earth is substituted, after the

The clearer and purer the water, the better will be the colour of the hemp. Where the wathe subject; and they cannot entertain a doubt, ter is warm, three weeks steeping will be suffi-that, in such case, it will be in their power to cient, but, if cold, as in rivers, springs, &c. live say, that the American water-rotted hemp is in weeks or longer may be necessary. At the expi-With regard to "the places where, and the ken out and dried; if, on beating and cleaning it, extent to which, hemp may be cultivated," in the husk comes off, the hemp may then be taken the United States, it may be unreservedly said, out of the water, but, if the husk still adheres to it, it must be allowed to remain some time longer. is no where unfriendly, and that hemp may be This trial must be repeated from time to time, cultivated advantageously wherever the soil is till the husk separates, when the hemp must be adapted to it. It is grown in great perfection in taken out of the water, and suspended to dry, as

as it is known to succeed well in warm latitudes, hemp, the former being dry and rather of a withthere is no doubt it can be cultivated in our most ered appearance, the latter more moist, and of a the papers herewith, A, B, C, and D, will, it the vegetable oil, and, therefore, the most apt to best fit for cables. If it be intended that the Having given to this important subject that at-hemp should be early ready for the market, it is tention to which its intrinsic merits entitle it, made into winter hemp by the following process: sioners, with great deference, submit the result. which it is broken by means of a hand mill, and the husk is then beaten off by striking the heads obliquely with iron and wooden instruments, of the shape of a large two-edged knife; lastly, to unravel it, it is drawn through a wooden comb, or card, with one row of wide wooden teeth, fixed perpendicularly

The hemp is then laid up or suspended in sheds, and is fit to be sorted, bound into bundles, and

The hemp, to be prepared as spring hemp, is allowed to remain suspended, and exposed to the weather the whole winter, until it be dried by the sun in the spring, when it is broken and cleaned in the same manner as the winter hemp.

As the greatest part of the summer elapses be fore it can be made fit for the market, none of sown on a piece of land of 80 fathoms (English this hemp reaches St. Petersburg until the following spring, that is, two years after it was sown

The hemp is sown in the same manner as linabout 200 single horse loads of dung being spread seed, rye, or wheat. Land of a sandy soil, may upon it, it is left for six days, when it is again to be employed for it, but it must be strongly by-law shall be passed contravening any article manured, otherwise it will be too short, and a of this constitution.

> One chetwirt of seed commonly yields 25 loads (upwards 36 pounds English) of hemp, and twelve chetwirts of hemp seed.

> [Here follow several extracts from the Ameri-

(To be continued.)

Publick Institutions.

CONSTITUTION AND BY-LAWS

OF THE

Maryland Academy of Science and Literature. ARTICLE I. The Society shall be known and

Art. III. The Society may be formed into two ences, and the other the Class of Literature.

Art. 1V. The meetings of the Classes may be conjoint or separate, as may be agreed on after the Class of Literature shall have been formed.

Art. V. The Members composing this Society shall be residents of the State of Maryland generally: the Society may appoint Honorary and Corresponding Members; provided always, that the appointment of the same be confined to men of acknowledged merit in Science and Literature, not residents of the State of Maryland.

Art. VI. The Officers named in the second article, shall be elected annually by ballot at the last stated meeting of the Society in December.

Art. VII. It shall be the duty of the President to attend and preside at all meetings of the Society; to convoke the Society whenever he thinks its interests may be thereby promoted, and to appoint all committees, and to have the casting vote on a division of the Society.

§ 2d. The Vice-Presidents, or either of them, shall possess all the powers of the President in

his absence.

§ 3d. The Secretary shall keep a faithful record of all the proceedings of the Society, and carefully preserve all papers and manuscripts addressed to the same. He shall take charge of and manage the correspondence of the Academy.

§ 4th. The Treasurer shall take charge of and superintend the collection of all monies belonging to the Society, and shall disburse the same by and with the consent of the Society at any one of their stated sittings. It shall be his duty to keep a faithful and fair account of the same, and hold it in readiness to be presented to the Society whenever called for.

\$5th. It shall be the duty of the Librarian to take charge of and preserve all books belonging

to the Academy.

§ 6th. The Curators shall have especial charge of the Museum and apparatus of the Acade. my. It shall be their duty to preserve all the objects of Natural History in regular and systematic order, and to prevent their being displaced. lost, or removed.

Art. VIII. Five Members at a stated meeting shall form a quorum, and ten at a special meeting

for the transaction of business.

Art. IX. The Resident Members only shall be entitled to vote, or eligible to any office in the

Society.

Art. X. Such by laws as are necessary for the further regulation of the Society and its funds may be made, or amended, from time to time: provided, that three fourths of the Members present at any sitting shall concur therein-but no

Art. XI. No article of this constitution shall be added, altered, or amended, without the consent of two-thirds of the Members present, at two

successive meetings of the Society.

Art. XII. Every Resident Member on his admission into the Society, shall subscribe his name to the constitution and receive a certificate of membership from the Secretary, which will be stitution, laws, and regulations.

BY-LAWS.

CHAPTER I .-- OF MEMBERS.

1. For admission all candidates must be propos. rest of Science and Literature. ed by a Resident Member to a committee of the Academy, who shall be stiled the Committee of Election; to whose favourable report, the affirmative votes of three-fourths of the Members present, shall be necessary to the election of the candidate. This rule appertains to the election of all Members, whether Resident, Honorary, or Corresponding.

2. No person shall be considered a Resident Member until he shall have paid his initiation fee and signed the constitution; but where this latter cannot be effected, owing to the distant residence of the member, his having signified, in writing, the nam his readiness to do so, shall be considered equiva-

3. A Resident Member on removing from the State, with the intention of residing abroad, on rian due notice thereof. giving notice thereof, and on payment of his arrears, shall become a Corresponding Member; and Corresponding Members removing to the State, with the intention of making it their permanent residence, shall become Resident Members on the payment of the regular initiation fee, and the sense of the Members taken thereon.

CHAP. II .- OF MEETINGS.

1. The stated meetings of the Academy shall be held on Saturday evening of every week, commencing on the first week of October, and ending on the last week of May of each year; and during the remaining months of June, July, August, and September, shall be held on the first Saturday of each month.

2. Special meetings may be held by public notice from the President, or by resolution of the 📥

Society, when necessary.

3. All visitors at the sittings of the Academy shall be introduced by one of the Members, and their names shall be announced by the President.

CHAP. III .- OF CONTRIBUTIONS.

1. Every Resident Member at the time of his admission, shall pay into the Treasury the sum of of four dollars a year, payable quarterly, on the first meeting in January, April, July, and October.

2. Such additional funds as may be required by

bers.

3. No Member in errears for one year shall be entitled to a vote, or eligible to any office, until such arrears shall have been paid; and if any Member shall neglect or refuse to liquidate his dues, within three months after notification there-

CHAP. IV .- OF COMMITTEES.

whose duty it shall be to receive all nominations the result was the perfect cure of the horse. for membership, and to report with all convenient speed on the merits of all such candidates for admission.

2. Committees for special purposes, may be aptime.

pointed when required.

3. When written communications are made to the Academy, they shall be referred to a Committee, with directions to report thereon at the succeeding meeting.

CHAP. V .- OF LECTURES.

time to time, to give Lectures before the Acade my in their rooms.

may be appointed by the Society; and such lec-dry wall will do. Ice will recede or melt in the tures shall be given under their especial direc- summer from stone, brick, or wond; but when it tion and protection, regulating each particular does then thrust down loose straw between the course as may seem most conducive to the inte- ice and the wall, and it will melt no more there,

CHAP. VI. OF THE MUSEUM AND LIBRARY.

Museum, and the books subject to the regulation

of the Curators and Librarian.

of the donors affixed thereto.

5. All books deposited merely can be withdrawn at the option of the depositor, giving the Libra-

CHAP, VII .- OF BUSINESS.

- 1. The order of business at the meetings of the Society, shall be as follows:-
- 1. The minutes of the preceding meeting read,
- 2. Names of visiters announced by the President.

3. Donations.

4. Report of Committees.

- 5. Written communications and lectures.
- 6. Verbal communications.

7. Elections.

8. Any other business which may demand the attention of the Academy.

9. Adjournment.

Rural Economy.

BOTTS IN HORSES.

TO THE EDITOR OF THE AMERICAN FARMER. Talery, (Oneida Co. N. Y.) Jan. 18, 1825.

Dear Sir,-1 consider the proof of suggestions ten dollars, and shall be subject to a contribution of your correspondents, important to be detailed in your valuable paper. Looking over your work, Mr. Nimrod Owings' cure for the Botts, vol. 5, page 214, met my eye, and I can verify its curing the exigencies of the Academy, shall be raised the disease, and giving almost instantaneous re-by an equal levy on each of the Resident Mem- lief, after all the horse-doctors had given up the animal.

The last summer a mare was so violently attacked during my absence from home, that her life was dispaired of, and the case reported to my wife (after my two teamsters and others had exhausted their knowledge,) to get in some other of, his name shall be erased from the list of Mem-person as a salvo to their own credit; she in due form assumed perfect knowledge of the disease, although previously never having heard of it, repaired to my "Vade Mecum," the . 1 merican Far-1. There shall be a Committee of Election, mer, and administered according to Mr. Owings:

> Your's respectfully, J. E. B.

N. B. We have a remarkable fine and open season, such as has not been experienced for a long

FROM A CORRESPONDENT.

In answer to your query about Ice-Houses, in the Farmer of the 7th :- Line your house with 1. The President may appoint Members, from stone, because it is almost as cheap as wood, and will last an age. Let your house be dug circular, wider at top than bottom, say sixteen feet at top, 2. Lecturers to deliver public courses on any thirteen at bottom; a circular wall will not cave lent institutions in Paris.

considered as a pledge of conformity to its con-jof the branches of Natural Science, or Literature, jin, and as it settles will bind the wall firmer-a provided it is well done: loose, waste straw is better than bundles, and wheat than rye straw .-Keep the top of your ice always well covered af-

1. No specimen in the Museum, nor any cook received into the Library as a deposit, shall be removed from the rooms of the Academy without I have seen it tried for twenty years, and do not approve of it. In the first place, of what use is approve of it. which I suppose is intended; the strength of the liquor evaporates through the vacancy between 3. All donations of books shall have the names the bung-hole and neck of the bettle; the liquor likewise: the cask and hoops are injured by the 4. All donations in Natural History shall have weather—the staves are opened by the sun and the names of the donors and the localities affixed air, and the hoops burst. I will venture to say, that of the vinegar made so a third is lost.

To make good vinegar fill your casks with cider, into which no water is put, bung them up with a long bung, with a rag wrapped around it to make it tight-a long bung that you may pull it est without much trouble: set your casks in a garret, when the weather is warm, where there s nothing between them and the sun but the shingles-let your casks be raised so that you ean examine them easily when you please, which ought to be once a fortnight, for even here the casks are subject to leak, the hoops to fly, and the liquor to evaporate; and keep them always full: -it is well to have three, one of the best out of which you may draw into bottles; the second to fill the first with; the third, waste cider to fill up the second with.

I tried this: twenty years ago a gentleman told me to put a peck of bran in, or six or eight sheets of charse writing paper; I put the bran into one, the paper into the other-both answered well .-My vinegar is so strong that my family puts water to it to make pickles. When once you have a course of casks, you may keep it up always by using from the first and filling up. I am confident with care, six or eight barrels might be made so every summer with the three barrels, only be careful not to use watered eider.

About ten years ago my house was burnt, I lost my vinegar casks; the next summer I succeeded again in the same manner...

Agricultural Correspondence.

Extract to the Editor, dated Burlington, 27th Jan. 1825-RUTA-CABBAGE, &c.

"The experience of the last summer has satisfied me that my doubts, formerly communicated to you respecting the Ruta Baga, were well found. ed. I tried them under the most favourable circumstances of soil, well digested manure and good cultivation-the season was rather wet-the seed, part imported from your correspondent, Mr. Champion, and part saved from the central stalks in my own garden-they looked beautifully-free from the cabbage-like tops; still the produce did not exceed two hundred bushels per acre. My cabbage crop was excellent, and has been highly beneficial as food for my stock-1 am still feeding them with advantage. Taken up and laid on corn stalks, with the heads down and covered ON MAKING ICE-HOUSES—& VINEGAR. teeted from the frost. My hogs have thrived on them better than on pompions. I fed my fatting hogs with them mixed with corn, till within a fortnight of killing time."

CONTRACTOR () -CONTRACTOR

M. Appert proposes to publish a journal of the prisons, hospitals, primary schools, and benevo-

Sporting Olio.

From the Annals of Sporting-Aov. Number.



GRAND PIGEON MATCH.

The match made a month preceding by six of all England, including two picked shots from the Hampshire New Hats Club, against six of the Midgham and Ashton Clubs, was decided on Friday, Oct. 15, at eleven pigeons each, on Bag-shot heath, for 200 sovs. at 21 yards from the trap, with two ounces of shot, and it was won by England, as follows:—by the first three. England Friday, Oct. 15, at eleven pigeons each, on Bag-England, as follows:—by the first three, England There is a difference in structure between the 28-Clubs 27.

Messrs. Montague and Collins were the members of the New Hats Club .- The next three then took the ground, and killed as follows:— England, 26—Cluhs, 26. Thus, on the whole match, England won by a shot only, and it was match, England won by a shot only, and it was become the extremities of veins. The arteries as fine a specimen of this sport as ever was seen, as they proceed from their source become gra-Most of the best shots in the country were dually smaller; after terminating in veins they present.

HERTS.

Messrs. Holdsworth and Birch, for 100 sover- right auricle of the heart. The texture af veios former, who is decidedly one of the best shots in the kingdom, killed fourteen brace only, and his opponent eleven. They found the coveys very defective in number. Five shots only were like the arteries to resist it, they are more numerate the following report:—
missed between the two. Last season, over the rous than the arteries; and there is besides a su

Mr. Heldsworth barred twenty-two brace in much less time.

KENT.

Shot Extraordinary .- Early in October, Wm Gregson, of Hawkhurst, killed a hare and pheas ant on the wing, at one shot, with a single-barelled gun. .

EXTRAORDINARY HARE HUNT.

resembling racing than hunting, boldly crossed a veins having no palsation like an artery, nor any thorities of the city of Baltimore. They theredeep and wide part of the river Test, above Mr. Dowling's mill at Longstock, into the water mea dows, and was as quickly pursued by her fearless most wholesome. In summer, river water is be presented to the mayor and city council of enemies. From thence she crossed another part better for horses than that taken from deep wells; Baltimore. All which is respectfully submitted, of the river Test, but with ill success, for the but in winter, well water is to be preferred; beof the river Test, but with ill success, for the but in winter, well water is to be preferred; behounds soon followed, determined on killing, cause it is then many degrees warmer than river (though from the nature of the ground the hunts, water. When the latter is used in winter, it men could render them no assistance.) After should stand in the stable some time before it is divers wily mazes through herds of cattle, she given, that it may lose its chiliness in some de published of the proposed railway from Dalkeith,

rapid, and was of course in an instant carried un der one of its arches; but, wonderful to relate, lowing about half a pail each time. Walking exwith the greatest sang froid imaginable, in the presence of numerous people collected on the the morning; but trotting or galloping is very bridge, who cheered her for her bravery, she injurious. Pond water, from a clay bottom is by landed on the lawn opposite Lord Grosvenor's house, from whence she pursued a steady course stagmant water often becomes vapid down the meadows. The hounds, intent on their nauseous, and is therefore improper. victim, plunged into the same rapid stream, and were carried under the same arch, exceptiog of the back sinews, immediately above the fetsome driven by the force of the water upon the lock joint: they consist of enlarged mucous capbuttresses; others swam on, and after various sules, and are generally caused by hard work at ineffectual attempts on the part of the gallant too early an age. They do not often occasion hare, she determined not to resign herself to the lameness, and unless so considerable as to cause dogs, and terminated this unparalleled course by some degree of stiffness in the joint, had better resigning her last breath to the watery element, be only bandaged, or have some stimulating emto the regret of all present, who were auxious to brocation well rubbed in; but when they cause save her life, after having crossed the river six lameness, or are attended with weakness of the

DISEASES OF DOMESTIC ANIMALS AND THEIR CURE.

veins and the arteries; the latter by means of their muscular coat contract upon the blood, to be applied, in order to consume the cyst or which they receive from the heart, and propel it forward to their extremities; here the veins be- he says was so completely cured by this operagin, or rather the extremities of the arteries gradually increase in size, and become less or fewer in number, as they return to the heart, till at last they all form two large veins, viz; the pos-Partridge Shooting.—In the match between terior and interior cava, which terminate in the eigns, over the manors between Wadesmill and is much more slender than that of arteries, yet Royston, on Wednesday, Oct. 6, who should bag they possess considerable strength, and though the most head of partridges during the day; the sometimes distended, seldom burst. The veins sometimes distended, seldom burst. The veins tition of sundry inhabitants of Somerset county. generally accompany the arteries, but as they are same beat, Mr. Holdsworth bagged twenty-two perficial set of veins which are not accompanied scribers to this petition, the committee are well by arteries. The veins are provided with valves, assured that the growing of potatoes is a conside which appear to be a duplicature of their inner rable staple of agriculture, and an important ob-coat, rising into a kind of curtain or fold. In the ject of traffick, and that in consequence of the human subject there are two of these folds to grievance complained of, many traders, who had torm the valve, but in the horse there are three: hitherto resorted to the port of Baltimore, have these, when the blood by pressure is stopped in been induced to seek for other markets, to the its course, prevent it from returning. The valves common injury of all parties, save only the inorare not equally distributed throughout the veins; dinate gain of certain avaricious hucksters. The in some they are numerous; in others, as in those committee conceive, that the most eligible mode The harriers of C. Taylor, Esq. lately found a of the foot, there are none; there are but few in of vending potatoes, would be by weight, instead hare on Stockbridge Race Course, which, after the viscera, and none in the glands. The blood of measure; and that this affair may be justly shewing a gallant run in that fine country, more is returned to the heart by a regular flow, the

her power and resolution, for she again gallantly matter, even in a slight degree, is unwholesome rushed into the river, just above the bridge lead-for horses. Water kept in casks is apt to acquire ing into Stockbridge, where the stream is very an unpleasant smell, and is therefore injurious. Horses should be watered three times a day, alercise after watering is useful, particularly in some preferred to running water, but in summer stagnant water often becomes vapid, and rather

Windgalls -Small elastic tumours on each side fetlock joint, firing, blistering, and rest, are the best remedies. Dr. Bracken says, if rest and running at grass do not answer, the best method is to open the tumours, and thereby discharge the brownish gelatinous fluid contained in the cyst. This should be done while the horse is standing, rent. After cutting through the whole extent of the tumour, he advises some escharotic powder bag. Mr. John Lawrence relates a case, which tion, that the horse afterwards won a match, and was then sold to carry a lady. I believe the operation will be generally found worse than the dis-

Miscellaneous Items.

LEGISLATURE OF MARYLAND.

Mr. Teackle delivers the following report:

The committee to whom was referred the pepraying the enactment of a law to regulate the measuring of potatoes in the city of Baltimore,

By order, J. COCKEY, Jr. Clk Which was twice read and concurred with.

determined on re-crossing the broad streams of gree, and the same rule should be observed with or rather from Newbattle to Edinburgh. The the river, near the town, which she effected unregard to well water when it is used in summer; length of the railway is 94 miles, and the exnoticed by any one, and took refuge in a new end lawe often seen the flatulent colic and shivering pense is estimated at £36,862, or about £4000 closed garden of Mr. Barham; but from whence she was soon roused by her invincible pursuers, well, in hot weather, immediately after it is by a branch, and it is proposed to employ upon not, however, without giving them a fair view of pumped up. Water impregnated with saline it five locomotive engines of six horse power

each, worked by steam. There is to be a lift! (corresponding to a lock on a canal) on the emi tionary steam engine of 20 horse power is to be employed. The expense of conveying coals on this railway is estimated at 3d. per ton per mile, mated demand for cotton. The sales of the pre-world, and the prosperity of France. or 1s. 3d. per ton altogether, reckoning the average distance five miles. If the superior grate coal of Niddry, Cowpits, Edmoustone, &c. continues to be sold at the pit at present prices (6s. 10d.) it it supposed it may be delivered at Edinburgh at 7s. 6d. or 8s. per ton (including cartage;) and the projector even anticipates, that the above cause, second rate coal may come to be sold so low as 58. a ton.

Among other new projects, the formation of a Joint Stock Iron Foundry Company is announced Governor had been shot by an individual. to be established in Edinburgh, with a capital of one hundred thousand pounds. The shares, we off Algrave, cruizing against Portuguese vessels. understand, are rapidly filling.

Plattsburgh, Jan. 15.

Mail to Montreal .- An arrangement has been a capital of 600,000l. for working the mines in made with the Post Office department in Cana-Peru. da, so that a mail is now despatched from the conveyance is all the way by land, except cross- marriage, and excited intense interest. infi the St. Lawrence; it is therefore the safest! route for the conveyance of the great northern wheat is quoted at 50 to 76s.

mail, from the United States to Canada.

St. Petersburg, Nov. 25.—C

Summary of Foreign News.

The Continental Gas Company, it is said, will not make use of subterranean pipes, in lighting cities, but attach a reservoir to each lamp, which will be supplied daily, Rio Janeiro is to be illuminated with gas.

An Englishman has counted fourteen hundred

sorts of wine made in France.

The subterranean passage which is now forming under the Thames, will cost only 460,000 francs, a sum hardly sufficient to build a single arch to some of the bridges.

11th, but it was soon extinguished.

The capital of the company of the Brazillian mines will amount to a million sterling, and be divided into 10,000 shares of 100 pounds sterling.

reduced, $94\frac{1}{2}$; consols for account $95\frac{1}{2}$

Very late arrival .- The ship Tally-Ho, 23 days from the Downs, arrived last night, bringing London dates to the 3d ult. We are indebted to the editors of the New-York Gazette, and New-York Daily Advertiser, for the following intelligence:

Extract of a letter received in London, dated Madrid, Dec. 7.

having sent off his Secretary at a short notice, with despatches to Washington-the cause now ved at Liverpool from New York, Dec. 8. comes out. The King, in his wisdom, formally demands of the United States to recall the recognition of the independence of the several independent Spanish Countries in America, under pain, which have grown out of the frequent meetings made a secondary object—those who consider it in case of refusal, of issuing a Royal Decree re- of the Cabinet Council, observes, that they are in this light, will very soon be at liberty to bestow voking the cession of the Floridas.

* The American Secretary of Legation ahove alluded to, Mr. Appleton, passed through Lon-

The Lord High Commissioner of the Ionian at this moment. Islands has published a proclamation acknowledge ing the blockade of Patras and Lefianto by the abdicating, and retiring to the Escurial with his Greeks.

Queen. [To embroider petticoats.]

There has been a great inundation in Hanover. nence west of Duddingston Loch, at which a sta-loccasioned a scarcity of breadstuffs, and a con- of Deputies were preparing an answer, which siderable rise in price.

ceding week were 7,230 bags, at an advance of

1-8 to 1-4 per pound.

Sugars were brisk in consequence of the losses and damages at St. Petersburg by the inundation, at an advance of 2s. a hundred.

Mr. Baring, M. P. had arrived in Paris.

News had reached London from Bahia, that there were great disturbances there, and that the be anticipated; and with regard to the latter,

A Portuguese squadron sailed from the Tagus in pursuit of them on the 18th of Dec.

A company has been formed in England with

The case of Foote vs. Hayne, was tried in the Post Office at Rouse Point, three times a week, Court of King's Bench on the 21st of last month, on the west side of Lake Champlain; and this and a part of it occupies 14 close columns of the arrangement has been sanctioned by the Post London Courier. The jury retired for a few Master General of the United States. From Al-minutes, and brought in a verdict for the plaintiff bany to Montreal, on this side of the Lake the —damages 3000l. It was a breach of promise of

Corn Exchange, Dec. 31.—Essex and Kent

St. Petersburg, Nov. 25 .- Great establishments have been made promptly in the principal quar-great regret, that the exertions of some conters of the city, to afford the individuals who tractors, on important mail routes, have not equal-have lost every thing, shelter, fire, provision and ed his expectation, or the expectation of the elothing. Several charitable societies emulate public. each other in zeal. The Emperor has already This is the season when, to avoid failure, the given a million of rubles: the Empress Maria, utmost exertions, of all concerned in the trans-50,000: the Grand Dukes each, 50,000: the com-portation of the mail, are necessary. No obstamercial fund of the colonies 1,000,000: Count cles, which human exertions can overcome, shall

with 30 others who had been banished from Court, tracts will be forfeited.
had all been brought in chains, like malefactors,

There will be no departure from this rule. Of had all been brought in chains, like malefactors, to Madrid, for being Constitutionalists. Out of this, those most interested may be fully assured. ch to some of the bridges.

The Palace of the Tuileries caught fire on the who formerly resided at Madrid, 30 are banished, der the rapid progress of stages impracticable, and 10 are in dangeons. None have kept their contractors are requested to place the mail in places except the Duke del Infantado.

wided into 10,000 shares of 100 pounds sterling. many, Russia, &c. continues to occupy the co-the transportation of it, until the roads will adBritish Stocks, Dec. 11th.—Three per cents lumns of the London papers. The damage to mit of stages. Whatever may be the condition

lief to his starving subjects, in provisions and the failure of a trip, if the proper means be ap-clothing; and every class of society that could plied, with the necessary energy. afford it, were doing every thing in their power

prorogation of Parliament from Jan. 6 to Feb. 3.

The London Courier, in noticing the rumours not worth contradicting-and adds that "at no their undivided attention to the conveyance of period has the aspect of public affairs been more passengers. gratifying, more pacific and more calculated to don for Liverpool, whence, says a Liverpool patinispire the most sanguine hopes of a long con-per, he sailed for New York

The King of France had delivered his speech The extreme wet weather in England, &c. had on the opening of the session, and the Chamber was to be presented on the first of January, Cotton .- At London, Dec. 21, there was an ani-king exults in the pacific relations with all the

The coronation of the king of France was to take place at the close of the sessions-probably

in May or June.

Mission of Ar. Stratford Canning to Russia .-On this subject the Courier of Dec. 14th says, Hemp, flax, and tallow had also advanced from that the boundary line on the north-west coast of America, the affairs of Greece and those of South America would come under discussion; that on the two first the most desirable results were to Great Britain had no intention of adopting at present any new course of measures.

> [The very great and general importance of all the movements of the General Post Office, will warrant us in putting on record the reports and other documents of general bearing, which emanate from that ably conducted department.]

TRANSPORTATION OF THE MAILS.

A circular of which the following is a copy, has been addressed by the Postmaster General to the contractors for carrying the mails of the United States.

Post Office Department, Jan. 15th, 1825.

The Postmaster General has observed with

This is the season when, to avoid failure, the Scheremeteff 50,000: M. Mecheleff 30,000.

The Dukes of Trias and Abrantes, Count Altanira, the Marquesses Ceralvo and Alcanizes, niary penalty, and, for a second failure, the con-

covered sulkies, or in other vehicles better suit-The serious effects of the inundation in Ger-ed for the purpose, and in this manner to continue property and loss of lives exceed all calculation. of the route, no trip should be lost.

The Emperor of Russia visited in person the The sudden rise of water-courses may stop the

scenes of the greatest misery, and ministered re-passage of the mail; bad roads cannot cause even

There are many roads where a stage, with six Autract of a letter received in London, dated to alleviate the general distress.

Madrid, Dec. 7.

In my last I mentioned the American minister Quebec, with a corps of Indian Chiefs. The but there is no mail-stage road in the Union on control of the Secretary at a chart ratio. Canada, Rogers, and Hercules, Marshall, arri- which the mail cannot be conveyed in a sulkey or cart, as rapidly as the contract requires. If two The London Gazette announces the further horses to a cart do not give sufficient force, four should be applied.

The transportation of the mail must not be

=0= RARE PRODUCTIONS.

Hartford, Con. Jan. 25 .- A pig but ten months It is reported that the King of Spain talks of old, raised by Mr. Elijah Sweetland, of this town, was killed last week, which, when dressed, weighed four hundred and twenty-two pounds!

THE WARMING.

BALTIMORE, FRIDAY, FEBRUARY 4, 1825.

Meeting of the Board of Trustees of the Maryland Agricultural Society.

Agreeably to adjournment at Mr. Carroll's, the Board met on Tuesday, the first of February, in stant, at the Society's Room, at eleven, A. M .-The meeting was full; and, George Howard, Esq. having taken the chair, the following Resolution was offered by James Carroll, Esq. and adopted :-

Resolved, That the next Annual Exhibition of the Maryland Agricultural Society shall be held

ly decide upon a Scheme of Premiums, to be of-

J. S. Skinner and J. B. Morris, Esg'rs. were added to the Committee heretofore appointed to prepare such modifications as might be deemed lature of Maryland a donation from the Treasury readiest means of attaining his wishes. of the State, to be expended in premiums for such objects, and on such terms, as shall equally promote improvements in, and benefit the Agri- LITERATURE.—In number fourty-four of this jour.

*The paper read by Mr. Tyson, requiring culture of, all the counties in the State.

carry it into effect :-

Agriculture, would be much benefitted by enact- separate form. ing a law on the following subjects, to wit: - That in each of which shall be established a School for those who have already associated shall have dis-ber 39.

committee use their influence to obtain a law maby its fruit."
king every owner of slaves responsible in treble this State.

with a few remarks on the general scope of the pursued for curing them. proceedings of the Board at the meeting above

First-It will be perceived, that the Board have, and it was not without much reflection, de-Thursday of next June, have been fixed upon for

decided to offer, for the next Show, Premiums for MARYLAND ACADEMY OF SCIENCES. Domestic Animals, Ploughing, and Household Manufactures, only—postponing, until the Show, in the spring of 1826, the offer and distribution of

for 1826 that are offered for June, 1825-and in the practice of obtaining water by boring into addition to them, the Premiums for Farms, Crops, the earth *-Ordered that the said paper be print-&c., so that the lists of Premiums have now been ed in the valuable journal edited by Mr Skinner. agreed upon, for the next two Shows, and it is the wish of the Board to give to the whole scheme and system, as much permanency as possible.

It is probable that the Exhibitions will hereafter be always held at the same place, and very upon the Island of San Lorenzo, on the coast of nearly about the same time. - And the friends of at the Maryland Tavern, on Wednesday and the Society may judge how great is the prospect to the academy by Commodore Hull, through Thursday, the first and second days of June next. of its increasing success and usefulness, when Mr. Skinner. The Board then proceeded to discuss, and final- they are informed, that at this last meeting at the Society's Room, provided by the liberality of Mr. fered for distribution at the Exhibition in June Oliver, the Board met at eleven, A. M.—continu-sects from Germany, were presented of their own next-and also on the list of Premiums for the ed in session until after two, P. M .- met again at accord to the Academy, by Masters, Frederick G. Annual Exhibition in June, 1826. Both of which 5, and did not close their deliberations until some will be given in the next number of the American Farmer; of 12 and 10 years of ag,] Board, active practical farmers, had come in from and the Academy feel a particular pleasure in a distance of fifteen miles.

necessary in the act of incorporation, constitution, der and Subscriber is informed, that his commu- a field from which they may re p a rich harvest of and by-laws of the Maryland Agricultural Socie- nication has been passed to the hands of the in. future renown for themselves, and of glory and ty; and to endeavour to procure from the Legis- ventors of the machines spoken of by him, as the honour for their country.

nal we gave an expose of the plan and objects of an engraving to illustrate it; it could not be pre-The following Resolution, offered by R. Caton, this Institution, and in this we record its Constipared for this number of the Farmer. We have Esq., was adopted; and R. Caton, Allen Thomas, tution and By-laws. We nave offered to the Aca-received a paper on the same subject from Jared and James Carroll, Esq'rs, were appointed to demy a few columns of the American Farmer, Mansfield, Esq. Professor of Natural Philosophy, rry it into effect:—

for the publication of their researches in the at the Military Academy at West Point—and Resolved, That a Committee be appointed to walks of geology, natural history, and such other one from the hands of the Hon. D. Trimble, of present a Memorial to the Legislature of Mary- sciences as are naturally allied to Agriculture, the House of Representatives in Congress, from land, setting forth that the state of society and of until they are prepared to publish them in more Kentucky .- All these papers are of great inte-

educating poor children; that seven discreet men played the practical utility of the Institution, by in each township, landholders therein, be a Board sending some of its valuable fruits into the liteof Trustees for organising and directing the same; rary market, we have no doubt there will be a

IF IMPORTANT ERROR TO BE CORRECTED .- In the amount of any damage done by the dogs of our remarks in the last Farmer on the case of a his slaves: Further, that it be the duty of said particular horse, whose life was saved by prompt his slaves: Further, that it be the duty of said particular horse, whose life was saved by prompt great deal has changed hands amongst the dealcommittee to procure an amendment to the law and efficacious treatment, administered by Mr. of trespass, so as to make it more conformable to R. H. Budd, it would appear that two gallons of the condition and the interests of landholders of oil had been given-instead of which it ought to have stated two quarts. The statement in other any particular sales. Not having time to prepare, or space to in- respects is altogether correct, and goes strongly sert the Schemes of Premiums at length, in this to shew the importance of knowledge of the disnumber of the Farmer, we must content ourselves cases of domestic animals, and the means to be

PSUESCRIPTION PURSE FOR CORN AND WHEAT. paper has been made acquainted with the exceptermined hereafter to hold the Annual Exhibitions taken by several highly respectable corres tions in the Spring, instead of the Fall—and that pondents, to the terms and conditions prescribed; the first and second days, being Wednesday and and he authorises us to declare the whole project and he authorises us to declare the whole project as suspended until the next Annual Exhibition in the next Snow. As it was obvious that crofs June. The scheme may therefore be considered could not be gathered in before that time, it was at an end, until better digested and revived.

Extract from the Proceedings.

At a sitting of this institution, held at their Premiums for Farms, Crops, Agricultural Expaper was read by Mr. P. T. Tyson, one of the It has been decided to offer the same Premiums members, on the sources of natural springs, and

The Academy was presented with a very handsome specimen of the Native Solanum Tuberosum Potato) in full flower with the tubes-This beautiful specimen of the indigenous potato, was found Peru, September the 18th, 1824, and transmitted

Two very beautiful shells, (Buccinium,) and a box, containing a great variety of specimens of inand Theodoric B. Skinner, [sons of the Editor of acknowledging these donations as an evidence, that their labours will stimulate the youth of To Correspondents .- A Constant Rea. America, to the cultivation of Natural Science;

> By order of the Academy. P. MACÁÚLAY.

rest, as connected with a subject of incalculable We are sorry to see that the Academy has not importance, to which the publick attention was the several counties be divided into Townships; yet met with greater encouragement; but when grawn by our New-Jersey correspondent in num-

PRICES CURRENT.

Sugar now sold by 100 lbs. and not by 112 lbs. That there be levied on real property, and on speedy increase of demand, and the consumption as formerly—New-Orleans Sugar, per 100 lbs. personal property, more especially dogs, a tax for will increase with production, until the Institu-plenty, \$7 a \$8 50-Jamaica and St. Croix, first the use and support of said school;—That said tion shall have realised the benefits for which it quality, scarce, per 100 lbs. \$10—Coffee, Bour-Trustees shall have cognizance of the several orwas established; and its members shall have explored by an and Java, scarce, per lb. 18 cents—do. Westdinaries and retailers of Spirituous Liquors, under such regulations as the Legislature may dinaries and regulations as the Legislature may dinaries and as shall more effectually prevent the sale ence and Letters. They too must abide the just a \$1.50—Hyson and Young Hyson, 95 a 108 cts. of spirituous liquors to slaves; and that the said declaration of Scripture, that "the tree is known Flour from the wagons, \$4 50 a \$4 75-Wheat, white, 95 to \$100.

> Tobacco-Only 13 hogsheads have been inspected this month at Calhoun's Warehouse-A ers and commission merchants, and the prices have certainly improved, though we cannot quote

CONTENTS OF THIS NUMBER.

On the cultivation of Ruta Baga as a second crop; with an estimate of its comparative value for feeding stock: By J. Buel, of Albany-Proper time for seeding Wheat to prevent By-Remarks on the culture of Lacerne-Florida Cotton--The gentleman who handed us the subscription and Ry-laws of the Maryland Academy of Science and Literature has been made acquainted with the areas. and IN-laws of the Maryland Academy of Science-and Directione—Botts in Herses—On making Ice-Houses, and Vinegar—Agricultural correspondence—Sporting intelligence—Diseases of Domestic Animals and their cure—Miscellancous rems—Summary of Foreign news—Transportation of the Tails-Meeting of the Board of Trustees of the Maryland Agricultural Society-Editor's notices-Extracts from the proceedings of the Maryland Academy of Science and Literature -Prices Current, &c.

HORTICULTURE.

FOR THE AMERICAN FARMER.

ON THE CULTURE OF THE GRAPE AND ON MAKING WINE-IN AMERICA.

Retreat, near Dublin, (Georgia,) Feb. 24, 1823.

John Adlum, Eso - Sir, -My brother, Major Hugh M'Call, of Savannah, has favoured me with your letter to him, nothing acetous. dated 23d January ult. it gives me some useful hints, on the subject, of which I have been in pur-

suit for eight years.

to our country, that would be the cultivation of tion; and, in dudgeon, I threw it away the vine: with all my preaching, however, from

for three years, regardless of seasons: I have retained but three kinds for the table; and two that Madeira, for no reason but its colour,-its bunchquite tart,—the taste is somewhat astringent at full ripeness—this I call No. 1—the other grape man of the Earl of Shellburne, before the revolu-tion, and planted in, then St. Paul's Parish, now, Columbia county, from thence it was planted in it will be ripe: manage as before. Warren coun'y, and is called the Warrenton grape, but I call it the Hunt grape: the Hon. Mr. Milledge thought it indigenous, until I informed him otherwise. Several years ago, the Secretary of the Treasury, issued a prospectus, that usewas wanted, would not be understood without being applied for, I wrote to him for the vine: my versation I had, nearly forty years ago, with cask, and let it stand to settle.

Mons. Estave, a French Vigneron, who came to None of the books, that I have Georgia, intending to cultivate vines, amongst about the density, or specific gravity of the must a dark blue colour, with redish juice; such of matic principle, and gives to the wine a mawkish these as were grafted partly grew, but the slips placed in the ground, in the usual manner all produce a poise of the leading elementary prindied: this year I intend to take up, and graft a ciples, tartar and sugar, from which the spirit tom.

They is generated,—for, when in balance, they both

1821.—Grapes much injured by hail and thrips Vol. 6.-47.

ple, or, indeed, black, with blue bloom, and of wine. highly odorant, strong juice.

and fermented after the manner recommended in that of boiling the must. ture: in my dressing the vine, I follow Speechley. books for red wine, without the addition of sugar:

such a text, I have not, in Georgia, made a single I could obtain; but it seems to appear, that the the several European countries: unwilling to be convert to the faith. The people of Georgia, do writers understood but a little of their subject. foiled, I progressed under the following general writers understood but a little of their subject, foiled, I progressed under the following general not look eight or ten years ahead for a large com- and are rather calculated to mislead, than to in- propositions:pound interest for their labour; they must have struct. A friend, in Charleston, sent to me a the simple interest, great or small, for use, at the book, written by L. de St. Pierré, who was a pracend of the year, or they will not touch; -they tical man, and not a bookmaker by trade; this the must: call me a visionary, and other names, as a reward volume contains much that may be useful to us, for my endeavours in giving them, or rather en- but is out of print, -I have made copious extracts deavouring to give to them, a new and invaluable deavouring to give to them, a new and invaluable staple: their taste, too, is vicious; they prefer grapes, from the foot-stalks, before washing them. Auguadente, Whiskey, and more execrable Peach Brandy, to the most delicious Wine,—poisons to main in the vat four or five hours, to obtain the required colour, a longer time, if the weather is correction of the Hydrometer, to know when the required colour, a longer time, if the weather is correction of the Hydrometer, to know when the strength in the correction of the Hydrometer, to know when the required colour, a longer time, if the weather is correction of the Hydrometer, to know when the strength in the correction of the Hydrometer, to know when the correction of the Hydrometer, to know when the strength in the correction of the Hydrometer, to know when the correction of the Hydrometer, the correction of the Hydrometer is the correction of the Hy I have been at much trouble and expense, in a husky taste; if the weather is warm, the time until that point should be ascertained, to add collecting and cultivating vines of foreign counin the vat should be less,—if the weather is cold-brandy in a known quantity, to give a fashionable tries, to the extent of fifteen or more, varieties, er, the time is lengthened,-if cold and wet, the strength to the wine: on half an acre of ground; and have, on trial, cut time in the vat, may be a whole night. If Chamup above one-half, their fruit uniformly rotting paigne wine is intended, it must be pressed, as increase the sugar, and diminish the added bran-When the fermentation subsides, tighten the bruiser, and retain the pure wine for the wise, makes wine, neither of which Mr. Chase suppos-bungs as soon as it can be done with safety to the ed, would make good wine; -one is called the cask. Bottle Champaigne between the 10th and in a roar 14th of the March moon, through a syphon,es weigh four ounces-berries the size of a mus- cork immediately, and fasten with pack-thread kins, are scientific and suit every purpose; that ket bullet, with a pulp, juice pleasant, but pulp and seal;-lay the bottles in the cellar, on their sides and cover them three inches deep in sand; juice, which is pleasant, little pulp, and bunches summer, it must remain a month at rest to re-about 4 ounces, which I call No. 2. It is a grape cover its briskness. But, it is a better practice, gr. 1.200, and its 24th degree answers to the sp. cover its briskness. But, it is a better practice, gr. 1.200. brought to Georgia by Henry Hunt, Esq. a kins- to let the wine remain in cask, and bottle it between the 10th and 14th of the August moon, and did not ripen well,-all my others rotted. Authe wine will have lost its verdure and sweetness-

I have noted no method of fining wine, from St.

Pierré, except the following:-

To sweeten harsh or green Wines .- Take sweet cow's milk, skimmed, and pour two pints, Paris measure, to a muid of 230 pints, when the wine ful things could be had from foreign countries, has not turned yellow, to any great degree; but ful things could be had from foreign countries, has not turned yellow, to any great degree; but wine from the lees—fumigated with sulphur; through our Consuls; and supposing that what if it is much yellowed, put at least four pints to a and at several times added 10 per cent. of French muid; then stir it well with a stick cleft in four, brandy, of common sale proof: vessels not full,ing applied for, I wrote to him for the vine: my and add four or five handfulls of clean dry sand, bunged close. Nov. 18, racked again: there was letter remains unanswered. Recollecting a con- and a demi-quarteron of common salt; bung the much lees, which lessened the quantity in the

are the blue summer grape of our river law change into spirit, which is not alcohol, but pregrounds: I intend likewise to graft some of the pared for separation from its placenta by interindigenous Muscadine, and two kinds of Fox mixture with caloric, with which it bears a greatgrape, - one a dingy red; the other a dark pur- er affinity, than the other component parts of

ighly odorant, strong juice. | On partially drying the fruit, I form the follow-My first experiment in making wine, was in ing conjectures: The grape, in its green stage, 1816, from a single vine No. 1; I pressed the when it begins to blush toward ripeness, has litjuice, and made no additions of sugar or brandy; tle, if any, of the saccharine principle; but has the wine was vapid, and tart, like Rhenish wine; its greatest quantity of tartar:—As the grape and now, it tastes like vapid hock; and, although progresses to ripeness, the saccharine is secreted, it has been some years in an ullage bottle, it has from the tartar, and other principles, contained in the plant and fruit, through the pulp, and other In 1819, I had a quarter acre in vines, in partial organs of the berry; and as the saccharine enbearing, having been neglected by my absence creases, the tartar decreases, and nearly vanishes, My friend Mr. Thomas Chase, of Annapolis, and were injured by mildew and thrips: I collect therefore I conclude, that to add the fruit dried, Maryland, was the first to stick a vine twig in my led what remained, pressed on the foot-stalks, or partially so, would be a preferable practice, to head, and gave me some information on the cul- and fermented after the manner recommended in that of heiling the master.

From all my enquiries, on the subject of making I have been long satisfied of the vast importance it ran quickly into the acetous stage of fermenta- wine, I discover that there are secrets in the art, not discovered to book-makers; but, carefully, I had read all the books, on wine subjects that kept for the initiated into the wine-schools, of

To make the best wine from any grape, there book, written by L. de St. Pierré, who was a prac-should be a balance of elementary principles in

That such principles, in proper quantity, to be ascertained; and it being agreed, by all Ameri-

The strength once ascertained, or nearly so, soon as washed, to prevent its taking colour .- dy, until I could dismiss the brandy to the grogthe witty, and such as are wont to set the table

The Hydrometer of Fahrenheit, or that of Atwhich I have been obliged to use is Beaume's Pese Scrop Hydrometer; all others, but the two full ripeness—this I call No. 1—the other grape and in six weeks the wine will mantle and froth: first mentioned, are mere quackery: they answer has long bunches, small dark purple berry, whitish if the wine is removed to a distance, especially in but a single purpose. Beaume's sinks to zero in

In 1820, the season was wet. The grapes No. 1 gust 12, collected my grapes-picked off rotten and unripe berries—mashed and pressed off 12 gallons of juice: Hydrometer in the must 6½ degrees-added nine pounds of brown sugar, which raised the Hydrometer to 101 degrees. Thermometer in the shade 89°, and in the must 83°. Filled two demijohns. Sept. 14, racked off the vessels. Dec. 23d, racked again, and added to a None of the books, that I have read, say a word five gallon denijohn 13 lbs. unstoned raisins, as pout the density, or specific gravity of the must directed by L. de St. Pierré to make Spanish other things he observed that he would cultivate of grapes, to make wine of good quality, and an wine. March 13th, tasted the wine without the the native vines of any country, preferably to assigned strength. Some have said boil the must, raisins, and compared it with a good wine of Siexotics: this recollection induced me, the last when it is too watery and poor,—this is quite cilly,—mine was drier and preferable. April 3d, spring, to take into culture one of our native vague,-1 reject this practice, on several suppo- bottled the wine, with raisins,-it was pleasant, grapes, with long slender bunches, small herry of sitions; -it is a bad economy, dissipates the aro-but with a slight taste of Rhenish. I opened a bottle of this wine in October, 1823, I thought it

grapes—seven bushel baskets of No. 1 and half grees (sp. gr. 1.118)—turned into a keg and 10 gallon of berries of No. 2. My other grapes all bottles. This wine has been racked and sulphurrotted: mashed, and pressed off 162 gallons of ed twice; -a little of it which bottled is, I think, juice: Hydrometer in must rose to 8 degrees—the most perfectly delicious wine that I ever added 14 lbs. brown sigar, when the Hydrometer rose 12½ degrees: Thermometer in shade the taste is quite different: if it shall improve by 85°, and in the must 76 degrees: turned it in a time, it will shew that to make the very finest keg and demijohn, to ferment. Sept. 8th, racked wine is no longer a desideratum in the U. States. the wine into sulphured vessels, and added 8 per If the strength of this wine shall prove to be sufcent. of French brandy,-wine tastes Rhenish.- ficient, I will make no alteration in the fabrique Oct. 18th, compared the taste, with that of last henceforth,-perhaps I may raise the must to year,-the Fabrique seems improved. I disco-rather more than 16 degrees, or to specific gravivered that a bottle of last year's wine, which had ty of 1.125, say 123 per cent. heavier than rain strongest. In round numbers the must will stand lees in it, was much more improved, than that water. There has been neither brandy nor old as follows, viz: which was bottled clear, which seems to hint, wine added to it. It is the first time that I have that wine should have had a greater action on made a wine of this grape, so nearly by itself; the second lees. This wine is now (1824) a fine but in the future I will manufacture my grapes se- My Vineyard grapes No. 1 and 2, 8° full bodied wine resembling Madeira wine good parately. The weather became dark and wet, quality,

1822.—Season wet. August 8th, collected 81 thrips and mildew. bushel baskets No. 1, and 11 baskets of No. 2in all 19½ baskets-picked off rotten and unripe berries, and mashed in a vat by 3 o'clock, P. M .rain prevented my pressing until 7 o'clock. The mere gout was 8 degrees, about a fourth of the whole, and the juice by pressure was 7°, and the gout of 11 degrees by the Hydrometer: mixed mixt was 74 degrees of strength—quantity 45 gal- all together in the vat,—added 52 lbs, brown sulons, to which I added 54 pounds of brown sugar, which raised the must to 14 degrees, nearly, of the Hydrometer: Thermometer in shade 82 jo,-I did not try it in the must. August 12th, col-lected 9 baskets of grapes No. 1, and 4 baskets a slight purplish tint. On the same I collected a of No. 2, and obtained 32 gallons of must, 7 de-basket of wild grapes No. 3, and a basket and a grees of strength,—added 33 lbs. brown sugar, half of wild Muscadine (scupernon) which were which raised the Hydrometer to, large, 13 de just ripened: the Muscadine gave juice of 6 degrees, and tunned. August 17th, collected two baskets of grapes No. 1—pressed and fermented without additions,—it was poor stuff and consignwithout additions,—it was poor stuff and consign-pressed in the morning 74 gallons of must of 14 ed to the vinegar cask. Sept. 7, my wine tasted degrees (sp. gr. 1.107) and tunned in a demijohn Rhenish. October 12, racked off wine, and sul- and bottled. This is the most delicious red wine Rhenish. October 12, racked off wine, and sulphured: tried the Hydrometer in the wine, and I ever tasted; it is richer than the best Medoc, it sunk to 1 degree below zero-and was lighter and perhaps more resemblant of the best Burthan rain water: it had lost 15 degrees, nearly, of its density, or weight, since it was tunned .-Added 5 per cent. of brandy.

Pressed Must, . . . 77 gallons. Racked Wine, . . . 62 "

Lost by fermentation and lees, 15 gallons.

The wine was much improved, but somewhat tart. December 24th, racked again and sulphured-The clear wine 61 gallons, and was quite po-

The wine of 1820, had considerable lees, and was decanted into other bottles. In Feb. 1, 1823, the wine of 1821 had become turbid by reason of the frost: it has now become again clear, and must be decanted into other bottles :- I have seldom drank a better wine than this is, of Madeira 1822, has been turbid for a time in the former part of the winter, but it is again nearly clear: they must be decanted, as soon as quite clear -In June, (1823) drew off a cask of the wine of 1822 into smaller vessels, and observed a difference in sure,-it was more bland and pleasant; the other what tartish.

1823, the weather had been favourable for a short time, and on the 6th August I collected 5 of another grape, which was of a deep blue co. lour and quite harsh tasted, both quite ripe: The whole quantity of Must in 1823, 173 galls. mashed them, and the mere gout was 91 degrees by the Hydrometer (sp. gr. 1.072)—added 15 pounds brown sugar and let it remain in the vat Must from 86 vines No. 1, and 30 vines four hours and pressed off nearly 11 gallons of No. 2; on a quarter acre of ground, 5

parately. The weather became dark and wet, Beaume and specific gravity, and I lost at least a third of my grapes No. 1 by Wild grape No. 3, 11° Beaume, and

August 10th, collected 3 baskets grapes No. 1; 8 baskets of No. 2, and 2 baskets of wild grapes No. 3,-in all 13 baskets. Mashed No. 1 and 2 together,—the mere gout was eight degrees of strength; and the wild grape No. 3, yielded mere gar, and left it in the vat between 4 and 5 hourspressed, and cut up the mare twice-the must was 15 degrees (sp. gr. 1.114)—must 37 gallons that is necessary: fining before the wine is want-when tunned, and of a full Madeira colour, with ed for use, or to be bottled, is like taking physic, grees, only, mixed and mashed, and added 12 lbs. brown sugar, and let remain in the vat all night,gundy, -but the taste of Burgundy I have much forgotten. The grape No. 3, I conjecture when manufactured by itself will make a wine equal to little next year. I propose to make some very the finest Medoc. I must be indulged with a lit- strong, to decide if I cannot make Malmsey, or a the finest Medoc. I must be indulged with a little puff about this wine, and that made from grape No. 2, for really I am pleased with them ;but not too fast, for I may be like the Owl and the Crow, in the fable in praise of their young: they may be strong enough. On the 21st of Auduced me to give you a precise view of such facts, gust, collected 12 baskets of No. 1, and 4 baskets as to shew if I am right or wrong in practice; No. 2, mashed, and mere gout 8 degrees-added and I assure you of my good wishes for your suc-69 lbs. sugar, and left in the vat 4 hours; pressed off 501 gallons-must 14 degrees. On the 29th from you, when any thing shall turn up that you August collected 9 baskets No. 1 and two baskets believe may be useful in our common pursuit,-No 2, mashed and added 47 lbs. sugar-I omitted to try the strength of the must,—quantity 38 gallons. The residue of my grapes ripened but ill quality,—I think it rather strong. The wine of the colour remained green; and being fearful of ply a corrective. When at maturity, and an op1822, has been turbid for a time in the former losing them altogether, by the rainy dark, weather,—and supposing the quantity not enough to conveyed to you, through my brother, a bottle of fill a cask, I collected two baskets of wild Mus-my several wines of 1823. cadine berries, which had generally fallen off the vines,-these I carefully washed and culled, and my wine of that year, favourable to that which dried them in the air—and Sept. 11th, collected the remainder of my grapes No. 2 with a few of No. 1-mixed altogether and mashed-they gave which was pressed, as soon as mashed, was some. with 40 lbs. sugar added,—in the morning pressed off 29 gallons, of 14 degrees of strength-tasted strongly of the over ripe Muscadine, and as if baskets of grapes No. 2, and about 1 of a basket it had been sweetened partly with honey: I disliked the flavour; but it now wears off.

Deduct for wild grapes, . 18

155

-season very dry: August 24th, collected the must, in which the Hydrometer raised to 15½ de-¡Loss by fermentation and lees 20 per ct. 31 galls.

124 galls.

The wine, in which grape No. 2 predominates, is the best, at the present,—it gives a finer bou-quet, as well as flavour. The next season, I intend to make each grape separately; and if I can collect as many wild grapes No. 3, as will fill even a keg, I will try it by itself. I am not of the opinion, that the Muscadine will make a good wine alone; it is the weakest of any; and No. 3 the

Wild Muscadine (scupernon) 6 deg. 1.040 nearly Beaume-specific gravity, specific gravity,

No wine, I conjecture, if strong, will be at full strength, until it has lived three winters; if weaker, two winters. I object to fining altogether, unless for present use. When every component principle in must of wine, has done its duty, it will remain, or, become excrementitious and full in lees, or go off in spume,-when lees subside, drawing off the wine in dry cool weather, is all that is necessary: fining before the wine is wantwhen a person is in good health:-as Judge Pe-

ters would say-let very well alone Since my last vintage I have obtained a copy of your essay, on vines and wine, together with M'-Culloch's books,—on both I place high value, and return my best thanks to you and to him. In this letter you will have a full view of my intentions, and experience, in wine-making. To all my wine made in 1823, I added 6 per cent. of my wine of 1822, instead of brandy, except the two kinds which I have puffed about, to which I have added nothing. My brother thinks my wine wants body; I think otherwise, but will increase it a good substitute. From our facts in the art, we can soon demonstrate, and build a theory of making wine, on unquestionable principles.

The candour which your letter evinces, has incess, and of the pleasure it will give me to hear and I will follow suit. I should like to have a sketch of your practice, and your critique on my method: by this I might discover error, and ap-

> I am, Sir, Your most obedient servant, THOMAS M'CALL.

P. S. I am surprised at the quantity of brandy which is put into the foreign wines; but feel satisfied that it is correct: My vineyard grapes, will never arrive at a strength to make wine without some artifice, -not being stronger than about 9 degrees; -my wild grape No. 3, may possibly arrive at 12 degrees by culture, and may make a tolerable claret without sugar, but much better with some addition. I believe it to be untrue that any grape will make wine of Madeira strength without sugar, or an abundance of brandy.

AGRICULTURE.

MARYLAND CATTLE SHOW AND FAIR-

For the Exhibition and Sale of all kinds of LIVE STOCK, AGRICULTURAL IMPLEMENTS, AND HOUSEHOLD MANUFACTURES, to be held at the Maryland Tavern, on the Frederick Turnpike road, four miles from Baltimore, on WEDNESDAY and THURSDAY, the first and second day of June, 1825.

The Board of Trustees of the Maryland Agricultural Society, at a meeting held at the Society's Room, on Tuesday, the first day of February, 1825—

Resolved, That the next Annual Exhibition of the Society be held at the time and place above mentioned; and that the following Premiums be offered and awarded to the successful competitors. The Premiums to be given in pieces of Plate of the value stated below. That is to say—

HORSES.

		111) ICOLIO!	
For t	the best St	allion a	dapted to get stock :	for
the	e saddle,			\$15
Do.	2d best	do.	do.	10
Do.	best	do.	do. for quick draft,	13
Do.	2d best	do.	do. do.	10
Do.	best	do.	do, for slow draft,	15
Do.	2d best	do.	do. do.	10
For	the best br	ood Ma	are do. for the saddle,	10
Do.	do. do	. qu	ick draft,	10
Do.	best Mare	adapt	ed to slow draft,	10
			for the turf, regard !	e-
			gree, and performance	
N.	B. No ma	re whi	ch has not had a foal,	, cai
be e	entered for	a pre	mium offered for a b	rood

ASSES AND MULES.

mare.

For	the b	est Jack,	\$10
Do.	do.	Jennet,	1(
Do.	do.	Mule, not over five years	, 10
Do.	do.	2d best, do. do.	
		CATTLE.	

For the best Bull, over two years of age, of any

bre	eed,				\$10
Do	2d best,	do.	do.		5
Do.	best full blo	ood Impro	ved Shor	t Horn E	Bull, 10
Do.	best do.	Devon	do.		10
Do.	best Bull b	etween 1	and 2 ye	ears, of	any
	eed,		,		
Do.	best Milch	Cow ove	r 3 years	of age,	cer-

tificate of her milking, quantity of butter produced, and keep for 20 days, to commence not less than three months after calving,

Do. 2d best Milch Cow, as above,
Do. best Heifer over one, and under 3 years
of age, of any breed,
Do. 2d best do. as above,

For the best pair of well broke Oxen, reference being had to their performance in the yoke, \$10

SWINE.

G 17 EE 1251	
For the best Boar over one year of age,	\$10
Do. 2d best, do.	
Do. best Breeding Sow,	10
Do. 2d best, do.	
m i m ama arr	

FAT STOCK.

For the best grass fed Bullock, bred and fed in Maryland, or the District of Columbia, \$20 Do. 2d best, do. 10 Do heaviest Hog in proportion to age and keep, 8 Do. 2d best, do. 5

SHEEP.

For the best Merino Ram, over one year, Do. best of any other breed, over one year, best pair of Merino Ewes,

Do. best pair of Ewcs of any other breed,
Do. best fleece of one year's growth, wool
when washed to be not less than 6 lbs. a premium of 50 cents per lb.—certificate of the
weight of the fleece, and a sample of the
wool to be exhibited at the fair.

To the farmer who shall have raised the greatest number of lambs in proportion to the number of ewes, (not less than 20,)

I'o the farmer whose flock yields the greatest average weight of wool—the flock to be not less than 20 in number—the wool of the whole to be weighed, being first cleaned of tags and filth—and the weight made appear to the satisfaction of the Judges,

DOMESTIC FAMILY MANUFACTURES.

For the best piece of Cloth, not less than 12 yards, of any colour—the wool whereof to be raised and spun on the farm of the candidate,

Do. best piece of Cassimere, twenty yards, of wool do. do. do.

Do. do. Cassinett, 20 yards,
Do. do. Flannel, 20 do.
Do. do. Carpetting, 20 do.

O Do. do. Kersey, 20 yards, adapted to la-

Do. do. Shirting, of any materials, 20 yards,

Do. do. 8-4 Linen Diaper, 15 yards, Do. do. 7-8 Towelling, 15 yards,

Do. best Hearth Rug, 5 Do. second best do.

Do. best and handsomest 10-4 Woolen Coun-

terpane,
Do. second best do. do.
Do. best and handsomest 10-4 do.
Do. second best. do. do.

Do. best pair of 8-4 Woolen Blankets, wool whereof to be raised and spun on the farm,
Do. second best do. as above,

Do. best pair of Woolen Hose, full size,
Do. 2d best do. do.
Do. best pair Cotton do.
Do. 2d best do. do.

Do. 2d best do. do. 1
Do. best pair Thread do. 2
Do. 2d best do. do. 1
Do. Straw or Grass Hat, imitation of Leghorn, 5

To the spinners of the greatest weight of cotton, wool, and flax, in 5 hours for each article, 3

IMPLEMENTS OF HUSBANDRY.

For the best Flax and Hemp Breaker from any fart of the world, which may be deemed useful and worthy of encouragement, \$2. For the best Agricultural Machine, or Implement, that may be considered new, and as deserving the nutice and patronage of this Society,

FERMENTED LIQUORS.

For the sample of the best Cyder of any preceding season,

Do. Gooseberry, rasberry, or strawberry wine, 5 Do. Wine of the native or cultivated grape, 10

PLOUGHING MATCH.

For the best ploughing by 3 or more horses or mules,

Do 2d best do. do.

Do. best ploughing by 2 or more oxen, To each of the successful Ploughmen,

For the best specimen, to consist of not less than five pounds, of Butter, and of one churning; to be sent in roll or lump,

Do. 2d best, as above,
Do. best preserved Butter, not less than 12
lbs. nor less than three months old,

Sealed labels will accompany each parcel sent breed of hogs, and accordingly on his return to

—and none to be opened but those which belong to the preferred sample. The mode of making and preserving to be described for publication in the American Farmer.

For the most successful experiment in waterrotting, or otherwise preparing flax or hemp—the quantity to be not less than 50 lbs.— The whole process to be stated,

VOLUNTEER PREMIUMS.

A Silver Cup, valued at twenty dollars, to be given to the owner of the best Calf, reared by hand, and to be not less than ten months old, to be exhibited at the next Cattle Show for the Western Shore. The owner to furnish a written statement for publication in the American Farmer, of the mode pursued, and the cost, including a reasonable charge for attendance, economy, and effect to be taken into view:—By D. Williamson, Jr.

A Premium of five dollars to the house-wife who shall rear the greatest quantity of Domestic Fowls—in proportion to the number of Stock fowls:—By the Editor of the American Farmer.

To the author of the best essay on the natural history of the MULE—and its value, for the general purposes of agriculture, in comparison with horses—the residence of the author not material —a Silver Cup valued at thirty dollars.

For the best essay (by any citizen of the United States,) on the value and use of Oxen, in comparison with horses, in the Middle and Southern States—to be accompanied by a description of the best method of gearing and breaking them—a Silver Cup valued at twenty-five dollars:—By C. Carroll, of Carrolton.

For a description of the best and most economical method of rearing CALVES by hand, after they are not more than three days old—The calf to be exhibited—and to be not less than 6 months old—a Silver Cup valued at twenty dollars.

HOGS.

[It requires no argument to prove, that of all domestic animals, there is none of more value than the hog—He lives through the whole range of our various climates, and not a table is spread, from the humblest cottage to the most gorgeous palace, upon which his flesh does not make a portion of the repast, whilst he is so little of an epicure, that scarcely any thing is rejected by him. In town he plays his part more effectually than the two legged scavengers in our streets; and in the country the most offensive offal is converted. by his accommodating taste and strong powers of digestion, into the most valuable of all our meats. But such is the difference in the condition and the domestic habits of various portions of our country, 10 that the same breed of this animal is not every where best adapted to the farmer's purposes-The short legged hog of the Eastern States, where their swine are all kept up and fed through-\$5 out their lives, and finally cured into fat pork, would starve in the wide ranges of a Southern plantation; where vegetables are raised in little variety, and hardly in sufficient abundance for the farmer's table, and where the hog must roam abroad during the greater part of his life, to seek a precarious subsistence in woods and pocusins.

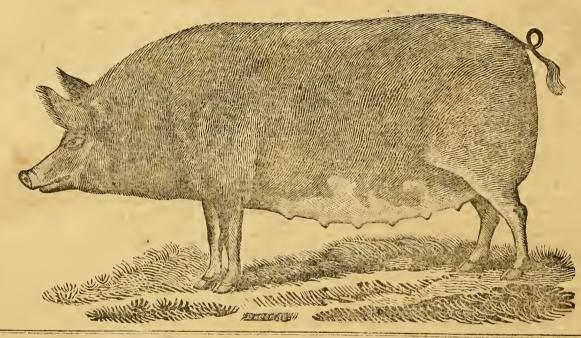
An English farmer of excellent character and judgment, who came in the year 1823, with letters of introduction to the Editor of the American Farmer, and who travelled under his advisement, was present at the Cattle Shows of several states, and took very particular notice of all our domestic animals—before he left America, he observed, that he thought it would be in his power to contribute to the improvement of our treatments.

England, he sent to the Editor of this journal, a boar that came along with her, from Mr. Wright, hogs are both black, and the engraving below boar and sow of the breed which he considered and the pigs will be on salc, for \$10 per pair, gives the figure and proportions of the sow,—we the best in England, and which we are fully persuaded, would be of great value in crossing any of the American breeds.—The Editor was from tation—for a single pig, \$6 will be charged on the home when the hogs arrived, and the sow, then home when the hogs arrived, and sent out four ship.

suaded, would be of great value in crossing any of or for \$12 per pair, with pen feed, &c. for transpor- of opinion, that for the general purposes of farm-

The freight alone, of these hogs, cost \$24, the supply, and a register will be kept, and apmiles from town—As might have been expected, the next day she lost twelve pigs—she is now again in pig and nearly ready to farrow, by the thing is to be bought, is not inconsiderable. The local transfer and the expense of keeping them, where every plicants served in the order in which they aparagin in pig and nearly ready to farrow, by the

SKINNER'S BREED OF HOGS.



No. I.

Extract of a letter from Manufacturers in New York, dated 29th July, 1824.

"We have the honour to acknowledged the receipt of your letter of the 20th, desiring information respecting the cultivation and manufac. The perfection to which machinery for cleaning tion, it be found that the machines which have ture of hemp in the United States; and it affords hemp, both in a rotted and unrotted state, is been constructed for the purpose, will make the as far as our own experience and knowledge of the subject, together with the hints derived from "The ordinary mode of sowing the seed, is

the borders of the Connecticut river; or, indeed, least, ought to be used to the acre.

sent raised in any considerable quantity, and the crop of last year, in that last state alone, was probably from 500 to 1000 tons, which is manu probably from 500 to 1000 tons. factured chiefly into cotton bagging, and the

coarser kind of ropes, such as bale rope, &c. "With respect to the extent to which it may be cultivated, we have no hesitation in express ing our belief that Kentucky alone can turnish a

of three crops of hemp.

"The quantity obtained from an acre, by the ordinary process of rotting and preparing the hemp, is from 500 to 800 pounds; but when cleaned in an unrotted state, it is supposed that is necessary than that it be water-rot ed, or prethe yield will be from one half to two thirds more. pared without rotting, if, upon proper investiga-

other respectable sources, may enable us.

"A considerable portion of the lands in the states of Kentucky, Ohio, Illinois. and Indiana, is well adapted to the profitable culture of hemp. It may also be grown to advantage in several of the counties of the state of New York, and on the counties of the state of New York, and on the counties of the state of New York, and on the counties of the state of New York, and on the counties of the state of New York, and on the counties of the state of New York, and on the counties of the state of New York, and on the counties of the state of New York, and on the counties of the state of New York, and on the counties of the state of New York, and on the counties of the state of New York, and on the counties of the state of New York, and on the counties of the state of New York, and on the counties of the state of New York, and on the counties of the hemp of our own country, and inquiries which we have diligently made, have resulted in the considered to be defective, from the small quantity put into the ground. At present, a bushel which we have diligently made, have resulted in the conviction that the expense and difficulties of water-rotting hemp, have been much overrated with us. It was tried upon a small scale, in the counties of the state of New York, and on ers, that, upon rich soil, two bushels of seed at Orange county, in this state, the last year, in

in any of the middle and eastern states, where the soil is composed of a rich loam, or on alluvial bottoms.

"Kentucky is the only state where it is at present reised in any considerable quantity, and the state of the fibre, generally, resembling that clear and running water, or in contrained in any considerable quantity, and the state of the fibre, generally, resembling that clear and running water. The length of time re-

\$200 per ton.] Riga is worth \$10 to 20 more; days may be necessary, whereas, in others, four, while American (solely from the imperfect man-five, or six, will be found sufficient. The sten-

Further extracts from Report of the Secretary of the Navy.

HEMP AND FLAX,

Wentucky, it has been ascertained by experience, rotted hemp does not retain the tar necessary to that the land, by being afterwards put into grass, especially clover, will, in three years, be restored to its ability to produce a further succession feeted by the water, in a much greater degree

than water rotted hemp.
"In order to make our hemp equal to any of

wooden tanks, and the experiment resulted very

rage price for this kind, may be taken at \$180 to ture of the water. In some cases, ten to eleven ner of rotting it) sells now for about \$110 per ton. derest hemp is said to require the most soaking, our belief that Kentucky alone can turnish a sufficient sopply for the consumption of the United States.

"Hemp being an exhausting crop, it is said that the best of land will not advantageously bear a succession of more than three crops; but, in above mentioned, are all water-rotted.

"The bundles said to require the most soaking, and the operation is known to be finished by the heart separating easily from the reed or woody shewn, that cordage made of hemp of this description, is by no means so durable as that made of water-rotted hemp; and the foreign hemps, of the manner in which they lie when put in, in orabove mentioned, are all water-rotted.

Dew-der that they may be taken out without difficulty.

crop; but that which is poorer, will produce the its situation should be low, with some small the farmer is aware of it, or could conveniently finest and softest hemp. Hemp which has stood degree of moisture. This description of soil will prevent it; the fibre is then generally weakened for seed, is not considered equal to that which is produce hemp in greater abundance than any othpulled before it is ripe; consequently it would er, and every state in the Union possesses more exposure and excessive wet. Even in England, seem proper to set aparc a piece of ground upon or less thereof; this state, in particular, has a where the climate is much more favourable for which to ripen seed for a subsequent season, and full share, together with the convenience of this process, the greatest care and attention will

ed in the common way.

"The foreign hemp received here, is not gene- to restore the land to its former state, rally of as good quality as is produced in the plawould require any additional inducement to encourage the cultivation and proper management sable requisite in the equipment of our ships, is taken, beside being more imperfectly done. both national and of private character, it may be found in the fact that the supply of foreign hemp, at all times precarious, has, on some occasions, been sadly deficient.

instrumentality of the Commissioners of the Nain every respect. The result, with any remarks vigorous, and less affected by the different sub-addition of soap. which may be deemed pertinent, shall be comsequent operations they have to undergo.

There are few soils in this country that could coarse and fine break is sometimes used in EnThere are few soils in this country that could coarse and fine break is sometimes used in En-

"We consider that the foregoing remarks upon the quality of hemp are equally applicable, wheth-

ton bagging."

No. II.

Extract of a letter from a manufacturer of canvass, at Patterson, New Jersey, dated 9th August, 1824, to the Hon. Secretary of the Navy.

which you did me the honor to address to me, facturer's use, it should be pulled earlier, as the gland, and Russia, has been estimated as follows: under date the 31st ultimo, but being in a great colouring matter is then more easily extracted, —America, 400 lbs; England, 650 lbs.; Russia, measure, unacquainted with the subject on which and the hemp has less tow; besides, that it is ge- 500 lbs. The present price of American dew you required information, I have been since en nerally believed the fibre is stronger. The next rotted, is 3115 per ton, that of Russia \$170 per gaged in procuring as much as opportunity afford-process which the plants undergo, is termed rot ed me, and I have now the honour to community one method is denominated dew, the other cate the result of my inquiries; I would here, water-rotting; and it is admitted on all sides, that be of great national benefit, not, perhaps, arising however, observe, that, previous to the receipt the latter is to be greatly preferred. It affords immediately from the production of hemp, but of your letter, I had the honour to receive one much the finest, strongest, and longest staple the absolute necessity almost of being indepennufacture of flax, which, having answered, if it except, on Connecticut river, I have heard of no attaining from the manufacture in our country, were necessary to your purpose, I could, and other place, where the other method is pursued; There is, perhaps, except in England, a greater would, with pleasure, furnish you a copy.

ces where it is grown. It is frequently old hemp, others with four ploughings, after it is manured; in addition, also, the risque of damage: This is having in part lost its strength. It is, moreover, immediately after one crop is removed, 'tis usual the most troublesome and longest process, for, in all more or less injured on the voyage, by being in England to plough and harrow; the same thing water rotting, the hemp is more handled alter it heated in the hold of the vessel, and, in many is again gone through with early in the spring, is put into the water until the process is completinstances, very materially se, even in cargoes and afterwards, just before the seed is sown; ed; it is then taken out, tied into rather small which are here deemed merchantable. If we this makes its condition perfectly mellow, and bundles, placed upright between two ropes, exrenders it free from all kinds of weeds; in our tended parallel to each other, across a lot, and country, if the ground be broken twice with the from this position it is protected from the effects of the hemp of our own soil, so as to avoid a dependence upon foreign countries for this indispension of the hemp of our own soil, so as to avoid a dependence upon foreign countries for this indispension of the rain, as also it is exposed to dry much sooner. The hemp, after it is pulled, is carried

Russia hemp, of similar size and similarly made being over even earlier, as the plants are more

have been made, which, we trust will be in about not produce, or be made to produce hemp, and gland, but the rollers of the lint mill are preferrepeated crops may be obtained, as advantageous- red, because of its being more expeditiously perly to the ground, from the same piece of land, formed. In our country, they use what is called with proper attention, and as little exhaustion as a hemp mill; which is a large heavy stone, formthe quanty of hemp are equally applicable, whether the quanty of hemp are equally almost any other vegetable production. It is ased like a sugar loaf, with the small end cut off—
Hitherto, cordage has constituted the almost enserted, that, in Suffolk, in Engiand, it has been such a form as is generally used for grinding tire consumption of hemp. A considerable quangrown for seventy years in succession, on the white lead; a shaft is run through it, and it is tity, we conceive, will now be wrought into cot- same spot of ground, and, by continually manu made to revolve in a circle-when passing on a ring, the ground would be restored, and it might plane, the hemp becomes crushed, and broken by

be grown forever.

attended with very little trouble; when it is better, and my own opinion is, that Mr S. Swarproperly ripe, it is pulled up by the roots, the tout's machine for breaking flax would answer mould well shaken off, and laid up in what are better than any other mode which is now praccalled baits. If the hemp be intended for a seed tised. "I should have before replied to the letter crop, it should be perfectly ripe; but if for manufrom the President of the Board of Navy Com- hemp. The former process, however, is prac dent of this article from foreign countries in time missioners, on the subject of the growth and matised in our country almost universally; in fact, of war, and the great value it is susceptible of

"Fine and soft fibred hemp is the best, ours is general opinion seems to be, that the greater four weeks, occasionally turned; and, in this too frequently the reverse, owing to the seed being too sparingly sown. The strongest and rich-black mould, formed from the decomposition of our climate, which is so fluctuating and uncerest land will, of course, yield the most abundant vegetable matter; until that texture is apparent, tain, that the hemp is materially injured before the seed thus raised will be better than that rais- market for the sale, and a pientifulness of that scarcely prevent injury, and it is never resorted description of manure, which would best answer to when the hemp is the object, as it is not uncommon to find, on examination, that the hemp is The land is prepared, by some, with three, by deteriorated in quality from too long exposure; ed; it is then taken out, tied into rather small to a deep pond, or wooden tank of standing water; The seed for hemp, as for flax, should be it is placed thereon, bundle upon bundle, crossweighty, and of a bright colour; good soils will wise, and when the pond is filled, the whole admit of three bushels to the acre; not less than should be completely immersed in the water by two should be used where one and a half bushels loading it with heavy pieces of timber; in four or "We have been furnished, lately, through the are now put in, as the hemp, the thicker it is five days, the process being finished, it is taken sown, provided it is not over done, will be finer out and dried as soon as possible, in the manner vy, with a small quantity of water-rotted hemp, in its fibre, and consequently spins a finer yare, explained before. Another method of rotting grown on Connecticut river; we have, also, ob, and lay much closer, besides that the twist will has been suggested in France, and practised suctained a similar quantity of hemp, raised in be more easily accomplished by the working cessfully: the water is heated to a temperature Kentucky, prepared and dressed by machinery, hand or the machine, and it will be a much strong of 72 to 75 degrees of Reaumur, dissolving in it a without watering or exposure to dew. Both these hemps look extremely well, and we have no doubt will make strong cordage. It is our intention to have some of each parcel spun and pre- will admit, and covered in with the harrow. forty; the henry is thrown in, and the vessel pared for cordage, in precisely the same manner, Drilling is sometimes resorted to in England, un- covered over, and in two or three hours it appears to be made into ropes of the same size and weight, der the impression that the early growth of the the hemp is fully steeped. If this process should as near as may be, and then to test their compa-plant is promoted, but the broad cast is prefer- be found to answer, it is by far the most converative and respective strength with a rope of best red; the seed may be put in in April, the frosts nient of any yet known, unle s the application of steam prove as effectual, or more so, without the

> the stone, and is subsequently swingled: the rol-After it is sown, the management of the crop is lers of the lint mill are, however, thought to be

The average crop, per acre, in America, En-

The cultivation of this plant would, no doubt, would, with pleasure, furnish you a copy.

It appears, from all I can learn, that hemp may be produced in any soil; in Russia, it is in digenous, found in all the south and middle parts, and even on the Uralian mountains, though the mit of his paying the farmer such a price for the state fit for use as a manure. raw material, as would bring the gain and demand for the article to a par with any advantage he might obtain from any other article of vege-table production. The hemp manufactured into any service, neither would the compost pay for cordage is generally brought from abroad. I have written to a manufacturer on the subject, and when I obtain the information I have solicited, and expect, it will be transmitted to you. In my ticular circumstances .- Edit. mill I have spun, for cloth only, about two tons Not having been properly prepared, I discontinued the use of it; however, the machinery I possess will spin hemp as well as flax, and hereafter I may be induced to turn my attention to it again. As far as I can learn, I am the only per son in the United States, that will attempt to spin by machinery—I mean fine threads, capable of making duck.

To prepare the hemp for spinning, it is hackled on three tools, to reduce it to the same fineelasticity which naturally it does not possess he is even in favour of not dishing the wheels. All subsequent processes are the same as flax, Now if this principle be right, (and it would seem the machinery being only altered in the draft to be so) how does it happen that all our practifrom roller to roller, to conform to the length of cal mechanics act in opposition to it; for, by their the staple: it is also susceptible of being altered, manner of forming the ends of the axletrees,

longest hemp.

to make use of the American hemp, were it as great deal of unnecessary friction is generated; good as the foreign, or could I substitute it for consequently an extraordinary degree of impel the same purpose; but, as the reputation of a ling power is necessary. In the first place, from

[To be continued.]

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WITH LIME.

Middlesex, May 31, 1819.

version of green vegetable matter into a product that is, the shoulders above, and the points below soap is boiled over a slow fire, until the atter part ble manure, by the application of lime; and it are most worn. As to the dishing of the wheels, of the day, when it is salted off, (as it is term-closed with a question from yourself—"Where was the vegetable matter to be procured?" Where, Sir? Why almost every where by the farmer, and that in the greatest abundance, at this extraordinary season. Nettles, thisties, dock, mallows, hemlock, ditch weeds, garden weeds, their practice; only, that they were sure that it grow under hedges, by the road sides, on the banks of rivers and ditches, in old orchards, on lunghills, &c. &c. In short, vegetable matter cured: and as a further proof of my ignorance, I of quick lime, and be converted into good and not iron be preferable to wood? valuable manure in comparatively a few hours; with this particular advantage, that if it so hap- ignorance in order to elicit information, that may, kettle into a box or any other vessel that may be pens that any of the articles are run to seed, the perhaps, be acceptable to some of your readers caustic properties of the lime completely destroy as well as your obedient servant, all their vegetating power. It is really a pity,

AN ENQUIRER. and a great loss, which multitudes of farmers sustain, in suffering such immense quantities of otherwise useful articles to grow, and die, and I have often been astonished that it was so long decay, and be lost, instead of making a good use generally neglected—I think it would be an act of them in the manner above alluded to. Cow of kindness to your readers, if some of your dung, at this season of the year, if mixed with friends would give an explanation of the most ap-

A. C. A.

We thank this correspondent for his good will and kindness; but it is not practicable to collect weeds enough from these resources to be of the expense. This is the sole reason of our former remark; nevertheless, the hint itself is in-genious, and may be sometimes tried under par-

Agricultural Machinery.

Enquiries and remarks on the true principles of construction for CARRIAGE WHEELS.

(To the Editor of the American Farmer.)

mechanic. I have been reading Ferguson's lectures on the subject of wheel carriages, and am ness with flax, which is reduced on two tools, and there informed, that the wheels of carriages land, at their next meeting, which I understand in the process, we make use of oil to supply that should be placed parallel to each other. 1 think takes place on to-morrow. that it may be made to spin the shortest tow, and they place the wheels so that they are nearer to each other below and before, than above and be ner, the quantity of lime mentioned is sufficient I would, as regards my own interest, prefer hind: from this position it would appear, that a for a vessel containing three barrels, viz:manufacturer depends on the quality of his goods, the converging position in which the wheels are in the centre to admit half a bushel of stone lime, it is absolutely necessary the raw material should placed, they would naturally incline inwards, where it must be completely slacked; when the be of the best quality; and it is a fact, that but if the line of traction be straight forward, lime is perfectly slacked, the whole must be well neither the flax nor hemp of this country are of they are constrained to go in that direction, (and mixed-it is then put into the hopper, &c. In such a quality as to justify their general use for even in turning, the one is acting against the othmanufacturing purposes." even in turning, the one is acting against the other) hence there is a continual strife between the stamped in order to prevent the water passing inside of the wheel rim, and the side of the rout immediately through. The hopper must be conthrough which it passes: this is, I think, clearly tinually kept full of water, or in other words, proven; for on examining wheels that have been the same quantity of lye that is drawn off must long used. I have always found the inside of the be replaced with water; warm or cold water may on procuring vegetables to make compost noints before and the shoulders be be found the day the fat may be put into the kettle, and a sufpoints before, and the shoulders behind, more ficiency of lye mixed with it, to neutralize the worn than the parts opposite—so much for the fat. contracting of the wheels before.—In the second So soon as the fat is neutralized, lye may be Sir,-A few weeks ago, an important article, place, I believe it will be found, that the contract-added at intervals, until the kettle is full. ('tis extracted from the "Gazette of Health," ap- ing of the wheels below, produces a similar ef- well to observe that the lye must be strong enough peared in your useful paper, respecting the con- fect on the upper and lower parts of the axletree; to bear an egg for the first day's boiling) The version of green vegetable matter into a profita-that is, the shoulders above, and the points below soap is boiled over a slow fire, until the after part lunghills, &c. &c. In short, vegetable matter cured: and as a further proof of my ignorance, I morning, when it is cut from off the lye and again of every description whatever, will, while in a am at a loss to know why the conical form is pre-green state, answer the same purpose, as it will ferred to the cylindrical; for the ends of axle-vious, treated precisely in the same manner, with give the same product, if submitted to the action trees, would not the latter be stronger, and would this difference, that instead of using strong lye,

I have thus taken the liberty of declaring my

Jan. 26, 1825.

P. S. Boring seems to be coming into fashion;

tion; and a demand might be created by protect- the lime and any of the vegetable substances proved plan to set about, and conduct the operaing the manufacturer to such an extent as to adry, and the probable expense, &c.

[The paper sent us by the Hon. D. Trimble will, in a great measure, supply the information here sought.]-Edit.

Domestic Economy.

TO THE EDITOR OF THE AMERICAN FARMER.

Baltimore, Aov. 22. 1824.

Sir,-Enclosed you will find directions of the method my mother has practised many years back, for making hard soap. The sample handed with this was made on the 30th Oct. last, out of the common gathering of fat, during the last six months, in my father's family. Not being Sir,-You will perceive that I am but a poor able to be present myself, I beg you will have the goodness to take charge of it, and have the same exhibited to the Agricultural Society of Mary-I am, Sir,

With due respect, Your very ob't servant, DANIEL KRABER.

Directions for making Hard Soap.

The ashes are prepared in the following man-

The ashes are deposited on the ground and made moderately damp, after which they are raised on the edges, so as to be sufficiently hollow

weak lye is used. When the whole process is gone through with, the soap is dipped out of the box, &c. as otherwise it would adhere to the

other than fat, from adhering to the bottom of the feel the desire to which I have alluded, to call at kettle, to stir it occasionally during the day. D. K.

LITERATURE.

FOR THE AMERICAN FARMER.

Valuable French Publication, connected with several brunches of Rural Economy.

One of the happiest features of the present age is that systematic and condensing spirit of modern writers, which presents to the reading portion of mankind a large mass of knowledge, within a comparatively small compass. The necessity of vast libraries has, in a great measure, been superseded, by well digested and compendious Encyclopedias, accessible from their cheapness, to almost every class of society .-Science is no longer a mysterious treasure, which Natural Philosophy, at the Military Academy a golden key alone can open. Individuals of mo- has, in compliance with your request, just hand derate fortunes can supply themselves with works ed me the enclosed remarks, which you are a exhibiting a full and luminous view of the present, liberty to insert, if you think proper, in the state of literature, science, and the arts.

D'Alembert and his learned collaborators had in the French Encyclopedia, which was first published, erected to the human intellect, a stupendous and imperishable monument. It was afterwards found expedient to embody the im- of water from the surface of the earth, has a mense result of their labours in an Encyclofiédie yet been supported by an experimentum crucis Méthodique, with considerable additions. Eng. and on that account, our philosophy of them mus land and Germany soon imitated the example, be considered as hypothetical. I consider the freely availing themselves of the writings of their common depth of wells in any country, or region

which I have alluded. ed fame is a sure pledge of their ability to ex-ses to diminish the quantum of fluid in ordinary ecute the undertaking, now propose to issue a scasons. Near the surface of the earth, evapowork intituled: Encyclopédie Moderne; or, Dictration, and the tendency of the fluid, by its tionnaire abrégé des Sciences, des Lettres, et desweight, to descend, necessarily render the parts arts. M. Courtin is at the head of the enter-adjacent to the surface, comparatively dry and in the two former French Encyclopedias, and in the Encyclopedias of other nations, will be condensed in such a manner that no essentially use-surface of the earth, or above this general level intellectual panorama.

who have, besides, brushed off from their minds ter cause. the dust and cohwebs of English partialities with

of your columns now obligingly allowed me. I, my opinion. therefore, invite such of your readers as may

Mr. Mickle's book store, and there to read the prospectus, and judge for themselves. I will only add that the conditions are extremely moderate, and that several volumes of the Encyclopédie Moderne have already been issued, to the perfect satisfaction of subscribers.

A READER.

February 5, 1825.

Natural Science.

THEORY OF SPRINGS-AND BORING FOR WATER.

TO THE EDITOR OF THE AMERICAN FARMER.

Military Academy, West Point, Jan. 25th, 1825.

Dear Sir,-Jared Mansfield, Esq. Professor o American Farmer.
With great regard,

I remain your ob't servant. S. THAYER.

predecessors, and, at the same time, judiciously of the earth, as the point of saturation, or where adopting the systematic and condensing form to the communicated particles of the earth, wheth hich I have alluded.

A number of French savans, whose well-earn rated with water; and where there exist no cauprise, and the names of his co-operators an unsaturated; insomuch, that no water generally nounce a strong asd powerful confederacy of ge can be obtained by excavation, before you come nius, and knowledge of every description. They to the point of complete saturation of the earth all are gentlemen of acknowledged eminence in by the water; whenever we have arrived at this a country where superiority of fame in literature, point, or below it, the water oozes from the earth, science, or the arts, is not easily obtained.—In from hydrostatic pressure, as from the sides of a this work, the mass of knowledge accumulated vessel in which it is confined, and constitutes

ful portion of it will be lost, and that, at the same of the point of saturation, as in the case of time, the rich and various results of subsequent springs, it must, on hydrostatic principles, be discoveries, improvements, and advances of every owing to some peculiar, or local causes, which kind, will be fully exhibited—and the present protrude the waters above their natural heights state of the human mind unfolded before the in the earth. The causes may either be superior, reader, as if in a vivid and faithful moral and or more elevated fountains, or water of saturation, with which the springs are connected, or I have been induced to request a place for some elastic gasses confined in the earth, which these few observations in your valuable paper, by their repellant force, may protrude the waby the reflection, that the work, promising to ters to the surface. Adjacent high lands naturalconstitute in itself, as it were, a French library, ly indicate the first cause, and I may venture to may appear desirable to many of your readers, say, that there can be no ebullition of water from well acquainted with the French language, and an extended level surface, except from the lat-

It follows from the foregoing, that boring for respect to literary and scientific, as well as in water, in order that it may flow above the surregard to political matters, may wish to acquire face of the earth, can only be successful in those so important a publication—a publication which places, where, if it were not for the pressure of would suit both nublic and private libraries. the superincumbent earth, there would otherwise would suit both public and private libraries.

In the Proshectus of the work, which may be seen at the book-store of Mr. Etting Mickle, Market-st. Baltimore, the objects, the plan, and the intended spirit of the work, are eloquently exposed. I sincerely regret the impossibility of even sketching that able proshectus in the portion could advantageously be employed, at least, in stood at freezing point, and below, ninety-two set was columns now obligingly allowed me. I my origin.

The medium temperature at 12 o'clock, for let; and here are the only places, where boring the whole year, 55½ degrees. The Thermometer could advantageously be employed, at least, in stood at freezing point, and below, ninety-two could advantage of the whole year. The temperature was represented to the whole year and the protection of springs do exist, there are still fewer are the places, where boring the work are long to the production of springs do exist, there are still fewer are the production of springs do exist, there are still fewer are the production of springs do exist, there are still fewer are the production of springs do exist, there are still fewer are the production of springs do exist, there are still fewer are the production of springs do exist, there are still fewer are the production of springs do exist, there are still fewer are the production of springs do exist, there are still fewer are the production of springs do exist, there are still fewer are the production of springs do exist, there are still fewer are the production of springs do exist, there are still fewer are the production of springs do exist, there are still fewer are the production of springs do exist, there are still fewer are the production of springs do exist, there are still fewer are the production of springs do exist, there are still fewer are the production of springs do exist, there are still fewer are the production of springs do exist, there are still fewer are the production of springs do exist, there are the production of springs do exist, J. MANSFIELD,

METEOROLOGICAL OBSERVATIONS AT

Washington, Pennsylvania, 40° 11', N. Lat. FOR THE YEAR 1824.

	Reported for the American Farmer.							
100	January, Yebruary, March, April, April, May, June, June, July, Jugust, Schlember, October, November,							
I	17 3 11 29 32 42 62 58 42 96 17	Greatest cold.						
	63 66 67 74 90 83 83 70 66	Greatest heat.						
f,	38 3-10 32 9-10 43 51 2-10 62 3-10 73 1-10 5 77 74 2 66 8-10 2 55 5-10 1 50	Medium temp. at 12 o'clock.						
t e	57-10 in. 44-10 26-10 28-10 12-10 17-10 38-10	Defith of rain.						
	5 10 10 15 15 15 7 7	Number of days on which rain fell.						
S S	5 N L 25 N	Number of days on which snow fell.						
sit e n e n - y - s s s	On the 26th and 27th, a Snoon the 28th, Martins apperent on the 5th, Apricots—16th On the 18th, Strawberries On the 18th, Strawberries On the 3d, Rye ripe—9th, On the 27th, Grapes ripe. On the 9th, White Frost. On the 29th, Ice 1-8 inch the Very little interruption to o							

ed by frost. ripe—16th, Cherries—26th, early Potatoes—20th, commenced mowing. Wheat ripe. Peaches-26th, Apples in bloom-16th, Swallows appeared 15 inches deep GENERAL OBSERVATIONS.

stood at freezing point, and below, ninety-two days in the year. The temperature was remark-Prof. of Philos. Milit'y Academy. ably uniform, there being but one extremely cold, (February 2d,) and but one excessively warm day, (June 29th,) during the whole season. We did not commence measuring the rain until June.— The average depth of rain, for each month, we measured, was 3 1-16 inches. The season throughout has been dry. The greatest change of temperature in twenty-four hours, occurred between the 11th and 12th Feb. The Thermometer fell from 63 to 16-making 47 degrees.

Editorial Correspondence.

Extract of a letter, dated Raleigh, 15th Jan. 1825.

"Large quantities of this year's "crop of Cotton" are daily going on to Fayetteville, which has become, in a measure, the "market-town" of the State. The navigation in the Cape Fear river, on which it is situated, is rapidly improving under the able direction of our distinguished Engineer, Hamilton Fulton, Esq.

Your's respectfully,

markably well."

Newberry, Jan. 14, 1825.

"Mr. John Gage, of Union, a few years ago, grafted a pear upon an apple scion in his garden. When it grew up, so as to begin to bear, it bore for two years, very excellent pears. The third and fourth years, it was barren; but during those years, its leaves, which formerly were those of a pear tree, changed, by degrees, to those of an apme by at least fifty of the most respectable men erpuol:on the spot, who personally knew it to be true, so that I have no doubt of its correctness.

JOB JOHNSTON."

() (C) HYDROPHOBIA.

Woodly-Farm, 24th Jan. 1825.

TO THE EDITOR OF THE AMERICAN FARMER.

Dear Sir,-A case of hydrophobia happened about three months since, with one of my dogs, which was followed by two others, two and three weeks after; all of which were killed immediately on discovery. The last was a favourite bitch that had pups four or five weeks previous to her madness, and the pups destroyed except one, which was taken from her because she neglected it. I felt every assurance that this pup had escaped the infection; being kept entirely distinct from its mother three weeks previous to her madness, but judge my surprise, when seven weeks after, this pup went mad, snapping at every body nearit. I am at a loss to conjecture whether it imbibed the disease from the nourishment afforded by its mother, or whether it received the infection from a bite from its mother some weeks before she betrayed symptoms of madness. With regard to the symptoms of madness in dogs, they ate equivocal, though one symptom is a substantial evidence, that other dogs will avoid and run alarm apprehended; to correct this, I feel it a duty to give the foregoing statement, which you can use as you please.

And am, respectfully, yours, JACOB HOLLINGSWORTH. result of experiment.

Extract to the Editor dated, Union-Town, Jan. 26, 1825.

"Having lived in this county upwards of forty years, I had tried many ways to preserve Bacon, the lev of wood ashes. for having been raised in old Virginia, I am very fond of good bacon and cabbage; but I need not here repeat the various experiments. Last spring,

was as follows:-

my tubs with strong brine, as soon as the meat is means. When salts are not to be had, pills made salted, I boiled the brine and skimmed it clean of of the extract of walnut bark, or any other purall filth, and put it away in the tubs again - When gative will answer. Such means as burning tar, the meat was well smoked, being afraid to ven-drinking rum and garlic, &c. &c. are either useture the whole of it, I packed away six hams and less or hurtful. two shoulders, in the brine again and kept them down with boards and weights. This brine was N. B. The Millet you were kind enough to send me is fine indeed, yielding largely. The Mammath Pumpkins were planted too late, owing to ked, and put back again in brine and kept, chief-upon it for the last 150 years. Old Sydenham, ill-health, to succeed well; the Bene Seed did rely, until this fall, was so good and pure as to atmarkably well."

ly, until this fall, was so good and pure as to atmarkably well."

who lived near 200 years ago, said it was a tract the notice of all that eat of it—besides, the fever turned inward upon the bowels, and he rust to pare off and throw away.

With respect, your humble servant,

JEREMIAH KINDALL."

Recipes.

5 cwt. Boreings,

24 lbs. Sal. Amoniac,

13 lbs. Sulphur.

To every cwt. of Boreings add 8 ounces of Sal. Amoniac and 4 ounces of Sulphur, making only one cwt. at a time.

MEDICAL RECEIPTS.

Remedy for Sore Eyes.—Dissolve an ounce of salt-petre in a quart of water, with which fill a wine glass and invert over the eyes, (cach) for about a minute every morning. Wash the eyes with the same, weakened with the addition of 20th March last was 70 pounds—making an inflamed eyes. flamed eyes.

Another .- Boil half an ounce of Cammomile flowers in a pint of new milk, and wash the eyes three or four times a day.

Another. Open the eyes over the steam of boiling spirit of turpentine.

Cure for the bite of the Rattle Snake .- Give half a tca-spoonful or a tea-spoonful of strong spirits of hartshorn (volatile alkali) in a glass of

TO KEEP BACON—Hams and Shoulders, fure wounds with safety, and probably advantage. It and sweet and free from skippers and rust—the is practised by the Indians The Virus only has result of exheriment. has no power when taken into the stomach.

> For the stings of Bees and other poisonous insects.-Wash the part with spirit of hartshorn or

To prevent the Disentery or Bloody Flux .here repeat the various experiments. Last spring, Avoid exposure to damp or night air, and avoid I tried a method which proved effectual against costiveness. When the dysentary appears in a bugs, flies, skippers, rust, and ransidity, and naw neighbourhood, school or family, purge all those is the time for others to satisfy themselves.—It who are well, with a dose of salts. Doctor Rush says he knew in the army, in the last war, the On taking my meat from the pickle, for I fill health of a whole regiment preserved by this

To Cure the Dysentery or Bloody Flux .- To flavour being well preserved, there was no ourside knew the disease better than his followers. By bearing this in mind, the disease is manageable If the pulse (as it usually is) is hard, and the face is flushed, bleed freely at the arm, and repeat if necessary; give a vonit of Ipecacuanha, ash bark, or any thing else, and purges of Salts or Castor oil, or any thing that is neither astringent, acrid or heating; but the disease is to be attacked in Communicated by Major II. B. BARNEY, Naval the skin by promoting profuse sweating, by covOfficer of this Port. lering close in bed, applying hot bricks quenched
Cement used for Steam Apparatus, given by in hot water, and drinking largely of warm balm ple tree. The fifth year, and ever since, it has borne excellent apples. This has been related to Messrs. Feason & Co., Gas-Light makers, of Liv- or hysop teas; antimorial or nitrous medicines. may be given, but no opiates until the inflammatory symptoms have abated.—There is no one specific remedy in this disease: like all others, it must be treated according to its symptoms. In general, bleeding, purging, and sweating will cure it. Those who consider it a local disease of the bowels, and give brier root tea, Port wine, cheese, spices, &c. &c. always do much harm.

RARE PRODUCTION.

Well Done! - Mr. Lewis H. Foote, of Elkton, in two hundred and seventy days!

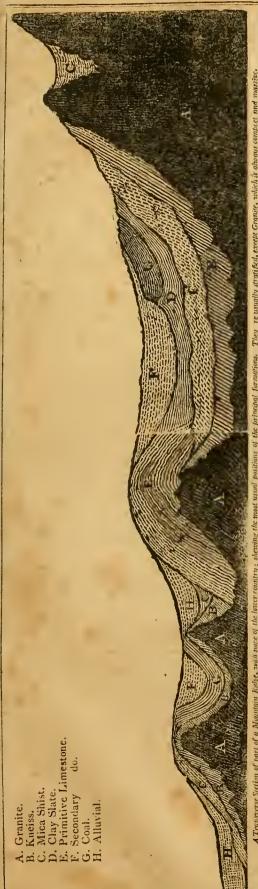
THE FARMER.

BALTIMORE, FRIDAY, FEBRUARY 11, 1825.

To prevent a Lock Jaw, from the foot being pierced with a rusty nail.—Immerse the foot in strong ley of wood ashes, (warm) or apply cloths the wagons, is readily sold at 85—and very little in market—Wharf Flour, \$4.37½—Wheat, 90 to 1.00 market—Wharf Flour, \$4.30 m

CONTENTS OF THIS NUMBER.

On the culture of the Grape and on making Wine-List from that which is mad, and which I have proved with mine. A common idea prevails in the country, that if a dog escapes nine days after being bit, he may be let at large, and no further ing bit, he may be let at large, and no further the large and no further that the large and no further that the large and no further that the large and the making Wine—List of Premiums for the Maryland Cattle Show and Fair, to be beld on the 1st and 2d of June next—Skinner's Breed of Hogs, with a cut—Continuation of extracts from report of the Secretary of the Navy on Hemp and Flax—On procuring the large and on making Wine—List of Premiums for the days and Fair, to be beld on the 1st and 2d of June next—Skinner's Breed of Hogs, with a cut—Continuation of extracts from report of the Secretary of the Navy on Hemp and Flax—On procuring the large and the making Wine—List and 2d of June next—Skinner's Breed of Premiums for the days and Fair, to be beld on the 1st and 2d of June next—Skinner's Breed of Hogs, with a cut—Continuation of extracts from report of the Secretary of the Navy on Hemp and Flax—On procuring the large and the making Wine—List and 2d of June next—Skinner's Breed of Hogs, with a cut—Continuation of extracts from report of the Secretary of the Navy on Hemp and Flax—On procuring the large and the large ted) every quarter of an hour, for two hours, and vegetables to make compost with lime-Enquires and reted) every quarter of an hour, for two hours, and reapply the same (undiluted) to the bitten and inflamed part. No reliance is to be placed on sweet oil as a remedy. The remedy now prescribed is sanctioned by chemical principles, and by experience. The poison may be sucked out of the pondence—Recipes—Hydrophobia—Prices Current, &c.



ON THE SOURCES OF SPRINGS.

And the practice of obtaining water by boring into the earth: By P. T. Tyson, Member of the Maryland Academy of Sciences; communicated by said Society for publication in the American

ing some inquiries into the structure of the earth. millions of tons To a superficial observer it may appear, that the materials of which the earth is composed, lie in face of eight square inches lost by evaporation in confusion and without regularity, but upon a more one year 16,292 grains of water, or about 64 cubic minute inspection it will be obvious, that order inches, consequently the evaporation in that time and arrangement prevail in this, as much as in was eight inches deep, and that without exposure any other of nature's works.

gists on that continent have greater facilities for the State of Maryland alone, which are estimated making investigations below the surface, than at 1,800,000 acres, would be nearly six thousand exist in this country. To them, therefore, we millions of hogsheads. are principally indebted for the facts tending to

elucidate the subject.

tion in this useful branch of science, is known to usual method of boring, in sufficient abundance to every one who has paid the least attention to it. be used as a power, but even that in this age of Subsequent researches, as well in Europe as in discovery we dare not pronounce impossible. this country, have uniformly confirmed the principal tacts stated by Werner in relation to the science. They find that to such depths as they have been able to penetrate, the earth is stratified mostly as is intended to be represented in the higher they will rise. accompanying section. The lower strata are In most regions a accompanying section. The lower strata are In most regions a great number of strata lie considerably elevated in some places and form within a few hundred feet of the surface, and the the summits of the highest mountains; they are usually very highly inclined and frequently rest vertically; they extend to great depths into the earth, and are considered to be of the oldest formation. The next which rest upon the former, commence lower down the declivity of the mountain; they are not so highly inclined and are be- the earth, streams flowing over the surface, may lieved to be of more recent formation; and so on to the highest or newest strata which form the feet perpendicularly. surface of the more level regions. Caverns and fissures abound in some of the formations; but the oldest are generally the most compact, and consequently do not so readily permit the passage subject are submitted. of water through them.

It is well known that a vast quantity of water is evaporated from the oceans, bays, rivers, and ly bored, and thinks it only necessary to tube smaller streams; this is carried by the winds to down as far as will shut out noxious and unpleathe mountains and other elevated regions, and sant matter—(that I presume from near the surthere deposited in the form of rain or snow. A face)—It is possible this may suffice for his and the mountains and other elevated regions, and large portion of it (the snow being previously con-some other cases, but I shall endeayour to shew verted into water) decends into the earth in obedience to gravitation, until it meets with a stratum that if received as such may often cause disapsufficiently compact to prevent it going through, pointments. In order that the escape of portions, and then runs on that stratum to the ocean if not or all the water that would otherwise flow to the obstructed; but impediments will present in various places and arrest the further progress of some stances be requisite. In England, and at the saltof it, which (in accordance with the law that wells in this country, if I am correctly informed, fluids if prevented from decending will rise to the it is uniformly the practice to tube the whole level of their sources,) will be dammed up until depth of the wells. If it were thought that tubit meets with another channel; if none such pre-sent leading downwards, it will rise to the surface through some of the fissures, or loose formations, cause the water would not rise to the surface; and form springs. In its course through the earth the probable cause of failure not suggesting: but it fills many of the caverns forming reservoirs, we could most likely account for it on recurring which cause the supply to be more uniform than to the structure of the earth, for if the stream of it would otherwise be.

salt licks (as they are termed in the Western rise to the surface. In such a case tubing would

evaporated for the above purpose, has been fully ble depth without bringing it up to the surface of

established by numerous experiments, it is only necessary to state the results of one or two of

On exposing a circular surface of water of eight inches in diameter, to the temperature of an ordinary summer's day, the celebrated Dr. Halley found that two-tenths of an inch deep, or six oun-That we may be better prepared to form correct ces evaporated in twenty-four hours; in that ratio opinions upon the subjects at the head of these each square foot loses about a wine pint daily, a remarks, it will be proper to commence by mak- square mile 6,900 tons, and a square degree 33

In another experiment in Great Britain, a surany other of nature's works.

In consequence of the great extent to which mines have been worked in Europe, the Geolothe annual evaporation from the waters within

We will next endeavour to draw from the foregoing, whatever may be useful to those who wish The indefatigable industry and persevering to obtain a constant supply of water for farming, zeal, with which the great Werner and some manufacturing, or other purposes, in moderate others laboured to acquire and impart informaquantity; for we cannot expect to obtain it by the

From what has been said of the structure of the earth, it is fair to conclude, the further below the surface we meet with streams of water, the higher will be their sources, and of course, the

structure of many of them, being so loose and porous, and fissures or seams so numerous, that water has passages in almost every direction from which, as well as from the results of such experiments as have been made known; one would be induced to believe that in almost every part of be obtained by boring from one to three hundred

As we have but little satisfactory information from those who have been engaged in boring, some observations upon the practical part of the

A writer in a late number of the American Farmer, has given some account of a well recentthat it must not be stated as a general rule, and surface, may be prevented, tubing will in most inwater the well comes to, finds a fissure, or loose When it comes in contact with soluble mine-formation, in any part of the well of sufficient ex-rals, it takes portions of such in solution causing tent to enable it all to run off, it certainly will not country,) and mineral springs; perhaps also, as most likely bring it up. In all cases it would be some suppose, the saltness of the ocean.

The fact that a sufficient quantity of water is can be avoided) after having bored to a reasona-

Vol. 6,-48.

then be bored deeper to another stream and tubed

the whole depth of the well.

I am impressed with the belief that this method Extract of a Letter from a Manufacturer of ill be found to possess many advantages, over Hemp, at Norfolk, Va. dated 30th Oct. 1824. will be found to possess many advantages, over any other artificial means of procuring water .-In almost every situation the same quantity may me the honor to make on the subject of the cultibe procured by boring, cheaper than any other way now known. The temperature of it will of ration my desire to comply with your wishes have been speaking of, when once properly made, believing it to be of good staple, and only require proportion about 7-8 and 1-8. It is preferred by

caused pipes to be laid to convey water from a we urged on Messrs. Caruthers, of Lexington, spring in Howard's Park to Market-Space, at Virginia, (large dealers in the article) and living great expense; one-tenth part of which, I be- in the neighborhood of the best hemp country, lieve, expended in boring and tubing would have the advantage and necessity of improving it, and the water washes the tar from it, and that it soon

freshing in hot weather.

taining engines, or conduit pipes, or both, and this has hitherto been the part of the state where from the impurity of the water, or deficiency in then producing 50 to 100 tons each, annually.—
the quantity of it, may now be improved and enKnowing that the practice of preparing it was by their health and increase their enjoyments by introducing that which is good.

AGRICULTURE.

Further extracts from Report of the Secretary of the Navy.

HEMP AND FLAX.

No. 3.

ed with; one important defect in the American cleaned or prepared as it might have been. The hemp is, in the preparation for dressing it, in the experiment seemed satisfactory that it was capabeen twenty tons of American hemp in this mar-thought it only required to be water, instead of of by the mechanic, and the commandant and of-ket; the quality, when compared with that from dew rotted, to be equal to any we had seen. We Russia, is so inferior, that our ship owners will have since had occasional supplies of Virginia and not purchase the cordage, and I must again re-peat, that the principal cause of this defect is in neglect and mismanagement, we still think the the manner of rotting it, and why the mode of staple good, and, if carefully water-rotted and dew-rotting is practised, I cannot say. There has cleaned, by batling, scutching, and hackling, I cannot so the control of the control of

the earth, to tube down below the surface of the dressed, which is the case of much of the Ken-imake experiments in the soil best adapted to its water: if it does not then rise, it may be suppostfucky hemp. Russia hemp, at the same time, growth, cutting at proper time, curing, and clean-

No. 4.

"I have given to the inquiries you have done formerly Governor of Virginia, water-rotted his crop, and, to encourage and extend this mode, we gave, for the part of it we got, (a few tons) \$360 Extract of a letter from a Manufacturer, dated per ton; the quality was excellent, colour much improved, and, we believe, the fibre, also, in "The cultivation of Hemp, I am not acquaint-strength and fineness, though it was not so well

one hundred dollars per ton, and the other one it is, at least, of so much importance as to be hundred and thirty dollars per ton; the reason worth a fair experiment. Much will depend on the why this difference, one lot was not properly the cultivation of it; it will be their province to ted hemp, broke with

ed that a place of escape exists in some part of sold at from one hundred and sixty-five to one ing. If they do their duty, I am of opinion that its course before arrival at the well, which must hundred and seventy dollars per ton." many of the existing objections to American hemp may be removed. Many parts of the western country, I am told, are well adapted to its growth; and, I believe, a great part of the lands in North Carolina and Virginia, watered by the Roanoke, would yield it to great advantage. It may be proper here to remark, the cause of hemp having been so high in 1809 and '10 was, that very little was imported; that from Russia sold at \$400 to way now known. The temperature of it will of course be similar to spring water, pleasant to drink in summer, and in winter there is no danger of its freezing as when brought in conduit pipes; other methods required frequent expenditures to keep them in repair, but a well of the kind we keep them in repair, but a well of the kind we for several years we used Virginia hemp chiefly; proportion about 7-8 and 1-8. It is preferred by will continue to furnish a supply of water in all ing pains in preparing it, we took a good deal of the manufacturer, because it is clean, easily work-probability as long as the earth revolves on its axis.

A few years since, the Corporation of Baltimore

A few years since, the Cor better, and some are of opinion that American hemp is not well suited for water rope, as cables, &c.; and, also say, that the constant friction of afforded a supply of water fully as large, perhaps contracted to give them \$290 per ton, for 70 to decays. I believe, however, that most of these purer, but certainly almost, cooler and more resolving in het weither. Caruthers paid particular and personal attention than from well tested experiments. I find that Water may now be had in a pure state, and at to it, and it proved, (with some exception) of exa moderate expense, in places where heretofore, cellent quality. This was all grown in Rockall vegetable growth is subject to them. The if it has been obtained at all, it has only been by bridge, Botetourt, and Montgomery counties, on all vegetable growth is subject to them. The expending large sums in establishing and main-the James, Jackson, and Cowpasture rivers, and mode in Russia of classing the hemp into three taining engines, or conduit pipes, or both, and this has hitherto been the part of the state where or four qualities, gives it character; when you sections of country unproductive, or of little value it was grown to any extent, the three counties buy of each, you know what you have. I have manufactured some parcels of Italian hemp, (Ancona) and found it to be of excellent quality. hanced in value; and the inhabitants of populous dew, or air-rotting, which is very tedious, it lying strong staple, and good colour-indeed, the longcities, who have been exposed to all the diseases out for months, exposed to all the vicissitudes of and other inconveniences incident to the use of weather, and is often thereby injured in strength, bad water, have now an opportunity to improve always in colour, in the year 1810, Mr. Theo. Armistead, who was Navy Agent here, and also some whether it is as well suited for tarred rope. had a rope walk, and who was very zealous in the improvement of country hemp, with our establishment, held out strong inducements to have ed. It makes excellent white rope. Manilla the hemp water-rotted, in place of the usual mode, but so difficult is it to change old habits, is very strong and wiry, and said to be well suitthat only in one instance did we succeed. Colled for some smaller purposes, untarred; costs Wilson C. Nicholas, of Albemarle county, and about 50 per cent. higher than the Russian.-American hemp is generally about three-fourths the price of Russian and Ancona. Deeming the cultivation of hemp of great national importance, both for cordage and sail cloth, too much pains cannot he taken to have its quality well ascertained; tending to which, if the Legislatures of the states where it is cultivated would establish inspections, and have persons appointed compedew-rotted instead of water-rotted state, as in ble of improvement, by proper management.
Russia. There is in hemp an oily substance, which the dew-rot destroys, and the water-rot the principal) is uniformly, to water-rot, which preserves; this oil may be considered as the life operation is performed in the short space of four of the hemp. Water rotted hemp has a bright to ten days, according to weather; and whether in the short space of the principal of the hemp. Water rotted hemp has a bright to ten days, according to weather; and whether in the short space of the principal of the hemp. Water rotted hemp has a bright to ten days, according to weather; and whether in the short space of the principal of the pri fer a premium for a quantity, not less than fifty silky appearance, dew-rotted has a dark, husky, standing or running water, this process, we have fer a premium for a quantity, not less than fifty appearance; dew-rotted will not stand the water reason to believe, requires very particular attendance, to be water-rotted, carefully culled, and hackling to when manufactured, and will not answer for ca-bles or standing rigging. I have manufactured, article. In 1809 and '10 we had hemp and varns be sent to a given place, and from thence distribles or standing rigging. I have manufactured, article. In 1809 and '10 we had hemp and yarns be sent to a given place, and from thence distri-in the last six years, nearly three thousand tons again from Winchester, Kentucky, the staple and of cordage, and during that time, there has not quality very gnod, and well handled; we then val stations, to be there manufactured, and judged

No. 5.

3,118 Ibs.

2,968 lbs.

This last was 21 inches also; but it must be the farmer requires but an approximative result, observed, that a considerable part of the hemp the experiments there consigned, will be found preside at all meetings; keep order; declare was damaged very materially in the transporta-tion, and, it is highly probable, that the whole of it had suffered some loss of strength.

Thirty yarns in each rope.

SIMPLE METHOD OF TESTING THE FERTILITY OF SOILS.

Read at the Maryland Academy of Sciences by J. T. DUCATEL, Professor of Agricultural Chemistry to the Maryland Agricultura! Society; and by the Academy communicated for publication in the American Farmer.

This easy method of ascertaining one of the requisites of a fertile soil, belongs to the distinguished French Chemist and Apothecary, the Chev. Cadet de Gassicourt, and is derived from the known attraction existing in different degrees, be-tween water and earth. Starting from this fact Mr. Cadet has studied to determine the proportion of absorbent power, possessed by soils, in their various degrees of purity. From his experiments he has deduced these facts: that a dry soil, absorbed the most water, and abandoned it in the shortest space of time, in proportion to the quantity of argil which it contained; that a calcarenus soil is, next to the argillaceous, that which has the strongest attraction for water, but which, on the other hand, abandons it the soonest; that a sandy soil absorbs water in least quantities, but that it retains it longer than a calcareous soil.— The fertility of soils then, depending in a great measure, upon the property which they have of absorbing a certain quantity of water, and of re-taining it a sufficient length of time, to facilitate the developement of the root, to carry food to the plant, and determine the germination of the seed, without, however, affording too great a degree of moisture; in order, consequently, to become acquainted with this degree of fertility which a soil possesses, Mr. Cadet proposes the following easy method within the reach of every

Having previously cleaned the superficies of the soil, which it is intended to test, of all loose vegetable or animal substances, ten or twelve pounds of the earth should be taken and passed be, to rub it down to the size of coarse snuff-a and having previously adapted to it a filter of soil h hlotting paper, should be fixed in the neck of a here. transparent vessel. Fifty ounces of the soil, are then for a first experiment, weighed with precision, and placed on the filter, taking care not to compress the earth in the least-fifty ounces of water, weighed with the same precision, are then gently poured over the soil on the filter, noting exactly the time the water takes to pass through it. When the soil on the filter will have ceased able paper. to emit hubbles, the superfluous water contained in the vessel should be carefully weighed, and the diminution or loss of the fifty ounces indicates, without error, the quantity absorbed by the soil. This experiment is to be performed four times, upon the original quantity of earth prepared for that purpose. The sum of the results of these termined; that is, the fourth-part of the water S. C. absorbed, and of the time the superfluous part gree of absorbent power possessed by soils, as considered as the anniversary of the Society.

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	63	00	24	12	10	9	5 1	22	4	1;	4	Hours. Hours.	Quantity of water absorbed. Time of absorption.	
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	A vegetable mould, fitted to be used as manure, and to be mixed with either stiff or sandy soils.	A calcareous and argilaceous soil, sterile.	A soil composed of argil nearly pure.	A compact and argilaceous soil, containing 4-5 of argil.	A soil stiffer than the preceding, and fertile.	A stiff soil containing 2.3 of argil.	A barren soil, and if of a grey ish colour is cer- tainly calcareous.	A soil indubitably calcareous, and barely fertile.	Light siliceous soil, hrimordial soil, (a) con- taining about 1-5 of argil.	1	A soil nearly wholly composed of sand, or it may be slightly calcareous.		Nature of the Soil examined.	

through a coarse seive, after which they are to (a) I have given the name of primordial soil, Art. 12. There shall be a committee of five be placed on a stove, and suffered to bake five or to the Terriccio di Scopa of the Italians, Terrain members, to be chosen at the same time, and in (a) I have given the name of primordial soil, six times, with a view of depriving the earth de Bruyére of the French.—By primordial soil, I the same manner as the other officers of the Socompletely of water. The next preparation will mean that soil which is the immediate decompociety.—It shall be the duty of the said committee sition (that is, in most part) of the order of rocks, to designate the objects for which premiums shall half gallon glass funnel must then be procured, called by Geologists primitive. The term virgin be offered; to regulate the value of, and to award soil has been too much extended to be applicable the premiums to the successful candidates.

> Edisto Island, S. C. February 6, 1825. TO THE EDITOR OF THE AMERICAN FARMER.

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Sir,-The constitution of the Agricultural Society of St. John's, Colleton, herewith transmitted, you will oblige me by inserting in your very valu-Respectfully yours.

> WHITEMARSH B. SEABROOK. Cor. Sec. of the A. S. of St. I. C.

ARTICLES OF ASSOCIATION for the Agricultural Society of St. John's, Colleton, S. C.

Art. 1.—The style of this association shall be, considered the same day on which it is offered. experiments taken, and the mear proportion de- the Agricultural Society of St. John's Colleton,

Art 2. The officers of the Society, shall conhas spent in passing through the filter—then the sist of a President, a Vice President, a Treasurer, annexed table may be consulted, the numbers ap- a Recording, and a Corresponding Secretary; all in conformity with the act of incorporation, the proaching the result obtained, sought for upon it. of whom shall be elected annually, by ballot, on following persons among others being present:

Although there be an infinite variety in the detailed by the second Wednesday of July, which shall be Manuel Eyre,

Richard B. Jones,

Art. 3. It shall be the duty of the President, to the result of elections; and call special meetings, when he shall deem the same necessary.

Art. 4. In the absence of the President, the Vice President shall take the chair; and in the absence of both, the members present shall nomi-

nate a President, fire tempore.

Art. 5. The Treasurer shall keep a true, and just account, of all monies received, and expended, and shall annually present to the view of the Society, a detailed report of the state of the treasury. All demands against the Society, shall be settled only, by an order from the President, countersigned by the Recording Secretary.

Art. 6. The Recording Secretary shall register all the proceedings of the Society, and take charge of all the hooks and papers, which may, from time to time, he entrusted to him: he shall keep a correct list of the names of the members, and of all donations to the Society, with the names of

the donors.

Art. 7. It shall be the duty of the Corresponding Secretary, to carry on the necessary correspondence of the Society; to collect and distribute the best samples of the most useful seeds, roots, grains, &c .- to revise all reports and communications, before they shall be made public by authority of the Society; and to make a regular report of his proceedings.

Art. 8. At all elections for officers, a majority of the votes, of the members present, shall de-

cide the election.

Art. 9. The fce of admission for each member, shall be \$5, and the annual contribution \$5, to be paid at every anniversary meeting .- The payment of \$35, at any one time, shall constitute a life member, who shall not be subject to such annual contributions.

Art. 10. Any member neglecting to pay his arrears, for two years, shall no longer be considered a member of the Society, and the same shall

be entered on the journals.

Art. 11. All applications for membership, addressed to the President, shall be read at one meeting, and considered at the next; but no applicant shall be admitted without the concurrence of a majority of the members present, nor until he shall have signed these articles.

Art. 12. There shall be a committee of five

Art. 13. The Society shall meet on the second Wednesday, in the months of July, September, November, January, March, and May, at the hour of 11 o'clock, A. M.; seven members present shall form a quorum.

Art. 14. The members of this Society shall be distinguished by the terms, resident and honorary.

Art. 15. This society shall be empowered to make such by-laws, as may be deemed expedient, and necessary to carry into effect, the objects of the Institution.

Art, 16. The foregoing articles shall neither be altered, amended, or repealed, without the consent of two-thirds of the members present; nor shall any motion, having that object in view, be

-00 PENNSYLVANIA AGRICULTURAL SOCIETY

At the annual meeting, held on the 8th inst. George Blight, Samuel Davis,

George Sheaff, William Harris, James Worth, Henry L. Waddell, Reuben Haines, John Hare Powel. John P. Milnor, Job Roberts.

William Powel, Mathew Roberts, Charles J. Davis, John Wilcox, Benjamin Evans, J. Kersev. Adam Siter.

The officers for the present year were unanimously elected, to wit:

Jonathan Roberts-President.

Vice Presidents

William Harris, James Worth, George Sheaff,

Stephen Duncan, Thomas Serrill.

John Hare Powel-Corresponding Secretary. George Blight-Treasurer. Levi Pawling-Counsellor. Directors.

Manuel Eyre, Thos. Smith, of Delaware county Henry L. Waddell, William Darlington, Job Roberts, William Evans, Samuel West, John Wilcox,

Charles Miner

John G. Watmough, Reuben Haines, Wm. Anderson, G. W. Holstein, Richard B. Jones, Mathew Roberts, James Cox, Jonathan Thomas, Elijah Lewis, Caleb Churchman.

John P. Milnor-Recording Secretary. Assistant Recording Secretaries.

Charles J. Davis, Adam Siter.

observed, it was unanimously

of husbandry, \$163 for household manufactures.

with their by-laws, and

Resolved unanimously, That the third annual exhibition be held in Philadelphia county, on 20th, and 21st of October next, at such place as shall be determined by the committee of arrangement.

Committee of Arrangement.

The President, John Hare Powel, Manuel Eyre, William Harris, Richard B. Jones, John Wilcox.

Neat Cattle. Thomas Smith, Thomas Serrill, Caleb Churchman, Mathew Roberts, James Cox,

Horses. Manuel Eyre, James Worth, George Sheaff, John G. Watmough, William Anderson,

Sheep and Swine. Henry L. Waddell, Samuel West, Job Roberts, . Samuel Davis, William Evans.

Products of the Soil. George Sheaff, William Darlington, John Wilcox, G. W. Holstein, Reuben Haines.

Implements of Husbandry William Darlington, Mathew Roberts, Jab Roberts, George Sheaff,

Jonathan Thomas,

Oxen at the Plough. Charles Miner, Mathew Roberts, James Worth, G. W. Holstein, George Blight, Caleb Churcuman,

Manufactures. Stephen Duncan Charles Miner, Jonathan Thomas, Reuben Haines, George Blight,

Horses at the Plough. Samuel Davis, James Worth, William Evans, John Wilcox, Samuel West,

Sheep Shearing.

Job Roberts, Henry L. Waddell, George Blight,

Mathew Roberts, Caleb Churchman.

Extract from the minutes.

JOHN P. MILNOR, Rec. Sec'y.

000

FOR THE AMERICAN FARMER.

the Liverpool Mercury.

some potatoes of a new kind, which, according antly, throw out large branches, and form a high to all appearance, from their extraordinary pro- tree with great heads—thus exposing them to the lific nature and excellent quality, promise to be- fury of the winds, which sometimes break off come of much importance to the farmer and hor- large branches, and which, whenever it happens, The conditions of the constitution having been ticulturist. They are of a long shape, have a if care (which is very seldom given) is not taken showed, it was unanimously mosth skin, and bear a greater number of eyes to smooth the wound, and to protect from the air, than any other potato we have seen; but their bring on disease and decay—it also renders them great peculiarity, is their fecundity, and their liable to have their fruit blown down before ripe, growing together in clusters, as from the centre to the great loss of the proprietor. They are offered in premiums for neat cattle, \$149 for sheep, \$210 for Horses, \$100 for oxen at the plough, of different ages, \$60 for ploughmen with horses and oxen, \$28 for swine, \$135 for crops, \$10 for sugar, \$10 for pearl ashes, \$10 for down and cheese, \$10 for sugar, \$10 for pearl ashes, \$10 for down and they was taken up, and the produce was 514 potatoes, The second spring after planting, head them mestic wine, \$10 for cider, \$35 for implements mestic wine, \$10 for cider, \$35 for implements which weighed 108 pounds. Many of them grew down at about three feet from the ground, so as to of husbandry, \$163 for household manufactures, in clusters of six and seven, and the largest of let 4 branches arise from the part left, taking Mr. Kersey presented some stone ware, admitches and the measured $7\frac{1}{2}$ or 8 inches in circumference, care to pare away the part above the highest rably adapted for dairy utensils, which from its extraordinary strength is less liable to be broken and remarkably good, either roasted or boiled, cover the wound as soon as possible. This ought than the articles usually employed, and as its and serviceable, either for the table or for cattle, always to be well covered with Forsyth's compoglazing resists the action of vegetable acids, it is well fitted for culinary uses.

The society having adjourned, the directors met in pursuance of due notice, in accordance

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The society having adjourned, the directors met in pursuance of due notice, in accordance farmers on this side of the St. Lawrence river, body,) each about a foot long, and suffer each of would have heard of it, and have tried its qualthem to put out two shoots, rubbing off with the ities.—Be this as it may, in your extensive cor-finger all beside them—thus you will have from Wednesday, Thursday, and Friday, the 19th, respondence, you can obtain certain information this time, eight branches to form its head, and a of this new root, either from Canada or Liver-body only about two feet long. All these eight pool, and make it known in your very useful pub- branches are to be suffered to grow until the tree lication.

-0-

FOR THE AMERICAN FARMER.

quiries made in your useful paper. I wish the has been lopped away: Whilst these four branchanswers to be given in a series of rules, from the
les are in the progress of making new wood, the commencement of puparation, to the seeding of four that have been left are bearing, which they grass seed, in salt bent marsh:-

first step taken?

2. Whether the plough (after burning) or spike will show in plenty in every part. When these harrow, would be most advisable to get rid of the new branches have arrived at this state, then surface vegetable matter?

3. What species of grass seed, the best adapt- and are now getting up pretty high, and bearing

HORTICULTURE.

FOR THE AMERICAN FARMER.

PLANTING APPLE ORCHARDS. Sir,-The following mode of planting an orchard of apple trees is suggested, as possessed of many advantages over the old method. By this the trees are planted at 50 feet every way, to give them room to grow and spread to their full extent, and to work the ground between them for their benefit, and the crop produced. The disadvantages arising from this mode are so many, so great, and so fatal, as to have suggested the one now proposed in the place of it. These disad-vantages are, 1st. the trees grow up with a straight body, 6 or 7 feet high, before they are suffered to produce their limbs—this large body is soon filled with worms under the bark, which is pecked into holes all around, by the small wood pecker, searching after them; these two causes soon bring on the canker, which in a little time causes the decay and death of the trees .- 2d. They frequently grow crooked and deformed, which is not only unsightly, but a great injury -3d. Their bodies and large branches become full of moss, and NEW SPECIES OF POTATO.—Copied from harbour insects which prey upon them.—4th. The the Liverpool Mercury. trees, planted thus, and especially when the "We have been fovoured with the sight of ground is cultivated between them, grow luxuricomes into bearing, taking care to suffer no strong growing spongy shoot to grow beyond its fellows, but keeping all of equal growth and size. When the tree comes to bear four of these branches, each alternate one, all around the tree, is to be headed down to its lowest shoot, which is to be You will oblige me by having the following en-trained in the vacancy of its parent branch, which rass seed, in salt bent marsh:—

Quere 1. After the marsh is embanked; the new wood has come into a bearing state. which may be known by the fruit buds which they cut out the four old ones that have borne fruit,

mostly on their tops; take care in cutting out

these old branches, to do it as low as you can, and duct for a space of ten years. We will allow to have them removed in the course of ten or fifwhere is their lowest shoot, however small, or each large tree to bear twenty bushels, this will teen minutes. even the appearance of a bud to shoot forth, and give $\frac{16}{20} = 320$ bushels for the acre, and as the renew them; these are to be trained in the same trees only bear half the time, consequently, in manner as above directed for the first that were the ten years it will produce 1600 bushels. Alcut out, until they arrive at the size and state to low only five bushels for the small orchard, the but if I shall give relief to one individual afflicted bear fruit in their turn again, when the last bear 100 trees in the acre will produce 500 bushels, and with that excruciating malady, I shall feel satisfiand so on alternately, perhaps for an hundred or 5000 bushels. If it be said the allowance of hive will excuse that I may have given you. Would it may be two hundred years. Note particular-bushels is too much for a small tree, let the objectit not be to the interest of our Druggists and Apobranches, it must always be so near to the shoot thy and fruitful state; that its bearing branches nothing by age. or bud that grows to furnish the branch in the being renewed every four or five years, are forplace of the one cut away, that the growing ever young and lusty, and able to bear a good crop. Wood may cover the wound as soon as possible. Let it also be rembered that an average of 20 In all cases where the knife is used, or any injury bushels to the large trees is a great allowance, done in any way, the part must be smoothed, and and which, I will venture to say, is never realize the composition applied without delay, at any ed. Thus, then, whether we consider the beauty, the branches are once a year, at least, to be wash on the plan proposed, their greater fruitfulness, their growth, and prevents moss and insects har- and youth, the ease with which their superabun. turned it with the following observations.] bouring in them, and is of essential service to dant fruit is thinned, and gathered, their greater them .- The advantages of these modes are:

clear and free from insects, and of course from this plan a marked superiority. With best wishthe wounds made by the wood pecker, in search- es for the continued usefulness of your well con-

and of course highly fruitful.

2d. They cannot but be straight, with as many branches on the one side as the other, by which the sap is regularly dispersed, to the beauty, regularity, and health of the tree.

3d. The trees are thus kept in perpetual youth,

health, and fertility, and yield an annual crop.
4th. They are not subject to be broken by the

high winds, nor their fruit to be lost, by being shaken off.

5th. They can never contract moss on either body or branches, which greatly injures the large tree.

easily gathered, and at less expense; and lastly, lowing worthy to be laid before your patrons:the pleasure arising from an orchard thus grow-

and renovate them. Cut down any that are relief. crooked, wounded, irregular, diseased, or decayed, and train up the best and strongest shoot that your botanical friends may do the plant justice, I will put up from the part left, or from the root; herewith enclose you one. It is found in most and by managing them as above directed, in a few years he may have a young, healthy, and deed, I have never seen any destitute of it where fruitful orchard, in the place of an old, cankery, decayed, unsightly, unfruitful, and unproductive

It is scarcely necessary to add, that the more the ground is stirred between the trees, the more rubbed on the parts affected, using no extraordinathey will grow and flourish. The best manure ry caution, and nothing has occurred to prove its for them is marsh mud-salt marsh, if to be had; poisonous properties. but never fresh stable manure. The salt in the mud conduces to the health of the trees, destroys

contain 200 at 20 feet; the first only bears every This is to be repeated three times a day other year, the latter every year. Take them When I had the flannel cloth applied when come into full bearing, and see their pro- was so much increased by it, that I was obliged

The stems or bodies of the trees, and the regularity, the health and vigor of the trees, exemption from injuries from high winds; these 1st. The bodies being so short, are easily kept advantages are so many, and so decisive, as to give ing for them, and thus kept healthy and thriving, ducted paper, to the great interest of our country, I contribute my mite.

Yours, &c.

RUSTICUS.

RECIPES.

PIPSISAWAY-cure for RHEUMATISM. Brunswick Court-House, Va. Jan. 24, 1825.

TO THE EDITOR OF THE AMERICAN FARMER.

Dear Sir,-Having received the benefits of ee. many of the contributions to your paper, I feel 6th. Their fruit is easily thinned, and more bound to contribute my mite, if you think the fol-

I have been afflicted with rheumatism three ing, and thus kept, would be much greater, and times in my life. The first time in April, 1822; of course procure for it more care and attention. Let any one go through the state, or the United days ago. The two first attacks were not very States, and I will venture to say, that he will severe, but continued from two to four weeks: find almost every orchard with the body of the the last was much the most painful and violent. trees drilled into holes; its branches covered I had been in the habit of using the common rewith moss; many of the trees bent and crooked; medies until lately, several of my neighbours hav-much old naked, barren, and even dead wood ing tried the one I shall now describe, I also reupon them, and scarcely one that bears every sorted to it, and I was entirely relieved in fortyyear. To all those whose orchards are in this eight hours; and I have never known, or heard state, this mode offers the only way to resuscitate of a case in which it has not given immediate

> That no mistake may occur, and that some of woodland in this and the adjoining counties; in-I have examined: of the limits of the region in which it grows I am ignorant. It is here called wild arsenic, or wild ratsbane, and the most poisonous qualities are ascribed to it. But I had it I may render any service to the good cause in

The way to prepare it for use is, to pull it up; wash the dirt off and put it into a vessel, roots slugs, worms, and insects, and this manure car-ries no weeds into the orchard. as that after it is steeped for 24 hours, the liquor A comparison of the productiveness and profit assumes a blackish appearance. In this state it of the old way, and the one now proposed, will is rubbed, by some strong hand, on the parts disshew the superiority of the latter over the former, eased, as hard as the pain will allow, for about in a strong point of view. An acre will contain fifteen minutes-and also have flaunel cloths dip only 16 trees, at 50 feet apart—whereas it will ped into it, and spread over the seat of the pain.

When I had the flannel cloth applied the pain

In making this communication, Sir, I may be doing an act of supererogation, as the remedy is more extensively known than I had supposed; ing ones are again to undergo the same operation, as they bear every year, the ten years will give ed for the trouble I have taken; and hope you ly that in pruning thus, or cutting away these tor remember that this tree is always in a heal-thecaries, to keep it in their shops? It will lose

> Very respectfully, your obedient servant, EDWD, B. HICKS.

I'The above letter was read by the Editor of the American Farmer, to the Maryland Academy of Science, and was referred to Mr. Girardin. President of said Society, and Professor of Botaed with soft soap and water, which encourages and consequent profit, their perpetual renovation ny to the Maryland Agricultural Society, who re-

Baltimore College, Feb. 7th, 1825.

Dear Sir,—The plant, of which a specimen has been sent to you by Mr. E. B. Hicks, and the virtues of which, as experienced by him, are stated in his letter, is the Pyrola maculata of Michaux, and others; but, for reasons which it is needless to specify in this place, it has, together with the Pyrola umbellata, lately much extolled for the cure of cancers, been separated from that genus, and a new genus constituted by the name of Chimaphilla, (winter loving plant.) Pursh, I believe, first made the separation, and subsequent Botanists have judiciously adopted it. It belongs to the class Decandria, order Monogynia of the Linnæan system, and to the LXVth family (Erica) in the method of Jussieu. The vulgar name generally given to it, and other conegenerous plants is Winter Green. The species to which I have alluded as used for the cure of cancer, goes under the appellation of Phipsesawa .-I have generally found the plants of this family in pine-woods, in shaded and rather moist situations. They flower in June and July. I deem it unnecessary to give a particular description of the plant, as it is pretty generally known. I see abu: dance of it as well as of the Pyrola, or Chimaphilla umbellata (Phipsesawa) exposed for sale in our markets by country people. I shall only observe that it has received the specific name of Maculata on account of the white streak, extending along the nerve of the acutely serrated leaf, on its upper surface.

I have no Medical Botany at hand-but I recollect the bitter taste and astringent qualities of this genus of plants. The properties, effects, &c. of the Pyrola or Chimiphilla maculata have. no doubt, been stated by Barton, Bigelow, &c. to whose works I refer those of your readers as may wish to know more about this plant and its pro-

which you are engaged. Shattered as my time and attention are between the multiplied duties of an active and laborious profession, I value too highly the honour which the Members of the Maryland Agricultural Society have conferred upon me, by appointing me their Professor of Bo-tany; and I am too ardently devoted to the promotion of useful knowledge, not to embrace cheerfully every practicable opportunity of contributing, so far as my humble abilities will permit, to the widely diffused illumination of which the "American Farmer" is the focus.

I salute you, with sincere esteem and respect, L. H. GIRARDIN.

Domestic Economy.

Baltimore, Nov. 22d. 1824.

Sir,-Observing that you are desirous of adding to your lists the productions of domestic his way, and it is not more than that from Boston. housewifery, Mrs. Parker sends you specimens of her hard soap; the piece marked A, has been made about thirteen years, the other B, was made the last spring, and C, at some intermediate time. Enclosed is a description of the method Mrs. P. uses in this article.

With respect, I am, Sir, Your Oh't servant, THOMAS PARKER.

John S. Skinner, Esq. Sec'y to the Maryland Agricultural Association.

Method of making Soup.

1st. The ashes from the hearth are carefully collected, especial care being taken that no soot be mixed with them; a few weeks before the soap is to be made, the ashes, with a very small proportion of quick lime, are placed in the hop-

pots in which meat is boiling.

The fat is boiled with water to separate all ex-

traneous matter.

3d. Take about fourteen pounds of fat, put it the lye will be stronger than from hickory wood, and a larger proportion of fat must be used. The above is attended with less trouble than the old method of boiling the fat and lye to make soft soap, but not so quick.- The directions for the last method are, take the same proportion of fat, and with the addition of the strong lye, set over the fire and boil slowly until the soap begins to

form, and then add weaker lye.
4th. To make hard soap—The soft soap is set over a gentle fire until it boils, and then salt added until it becomes thin—then poured into tubs or wide vessels until cool, when it is cut into convenient pieces -I have generally re-boiled this hard soap with the addition of about one gallon of strong lye to each hundred pounds of soap.

New York, Feb. 1, 1825.

TO THE EDITOR OF THE AMERICAN FARMER.

-0-

name of the latter was omitted, also the town, &c. miles. and unless your correspondent positively requested it otherwise, I request it published in your a description of that, and several other farms in Massachusetts. Of that in particular, as it is, in my humble opinion, superior in most respects to any farm I ever saw. The farm where those 12 hogs, (the total weight of which, as published in the Newburyport Herald and American Farmer, was 5711 lbs. and sold for \$413 463) were raised, is situated in the town of Newbury, county of Essex, and state of Massachusetts, in the Parish called Byfield.—The farm is known by the name of "Fatherland Farm," and is owned by Gorham to the state of the ground to an unprincipled second, under an impression that the time keepman, who had wagered five pounds against him, and with the word, Oxford Bill withdrew his dog, and claimed the stakes. An appeal was made to the umpire, who said he certainly had not called time; and application being then made to the referee, that person decided that the assault was not fair, and Bill's claim was admitted. The farm is known by the name ken to walk six miles in one hour at Wakefield, the day preceding, for the trifling sum of two that Razor had been poisoned! and he died; the

Parsons, Esq. of Brighton, who inherited it from shillings and sixpence, which task he performed his father, (the late Ebenezer Parsons, Esq.;) To examine Fatherland farm would well pay any person (who has a taste for agriculture, when car ried to perfection) for riding thirty miles out of

Yours, respectfully,

[Note on the above.-We cannot deny to our correspondent, the right to make the above remarks; indeed, we are not sorry that the publick should be enabled in this way, to give honour to whom honour is due.—The letter from which the extract was made, was full of interest in relation to the general subject of feeding swine, but the writer stopped us, by those emphatic and forbidding cautions—"for your own eye." Hence it was, that we did not designate either the writer's name, nor even give the cue of the name of the farm. But it seems that in New England, he who runs may read-however we do not say who the writer was; we could not forbear to take the naked facts of the age, and weight of the hogs, to per and charged with water.

2d. Preparation of the fat—what I make use of for soap, is termed "Scum Fat," i. e. what is taken from the dripping pan, and skimmed off the pots in which meat is boiling.

The fat is boiled with water to separate all exercise in the normal properties of the farm. The fat is boiled with water to separate all exercise in the normal properties in the normal properties in the normal properties in scotland, not only in the surprise ed them likewise in symmetry of form and in beauties of formand in beauties of some in the normal properties in scotland, not only in the surprise ed them likewise in symmetry of form and in beauties of some in the normal properties in scotland, not only in the surprise ed them likewise in symmetry of form and in beauties of some in a caravan, exhibited as a public spectacle, and was well known to the world by the name of "Fat Charley." He was the produce of the farmal properties in scotland, not only and surprise in scotland. justify the remarks we had made, upon the Hayer did not object; moreover, if ever again we have the happiness to enjoy the never to be for-gotten hospitality of Mr. G. P. and his neighbours, eight years old when brought to the shambles

Sporting Olio.



From the Annals of Sporting.

A forced March, on the spur of curiosity .- A Dear Sir,—"Credit to whom credit is duc," is set off between five and six o'clock on Menday an old maxim, of which I was reminded by read-morning, September 20, to see the St. Leger ing (in your valuable paper of January 28th, received this morning) the comparison of Hayheld's ven the same evening, having walked the whole in Tottenham court-road, for 100 sovereigns aside, pen of swine, with those of Pennsylvania and distance, (with the exception of six miles,) from Pennsylvania and Essex county, Massachusetts; as the owner's York to Doncaster and back again, seventy-two Periods of the property to

(we are told) in about three minutes and a half within the hour.

Shooting .- A bet of magnitude between Horatio Ross, Esq. of Rossie, and G. Fullarton Carnegie, Esq. of Charleton, was decided on Saturday, September 18,-the former betting that he would shoot as many partridges on his estate, in the space of five hours, as the latter would do on the estate of Ethie in the same time. The day being fine, and the fame of Mr. Ross as a marksman being well known, a great number of sporting gentlemen were on the ground. Mr. Ross killed thirty-one and a half, and Mr. Carnegie ten brace, the former gaining the bet by twenty-one and a half brace.

Fine grown ox, bred and fed by Sir William Maxwell, of Monteith, on his lands in Galloway, was slaughtered at Ayr, late in September. This animal was extraordinary in many respects. He exceeded almost every beast of the kind lately reared in Scotland, not only in bulk, but surpassfamed Teeswater kind, and of a cow of the into a tight barrel and throw on it at first, strong lye (what will bear an egg) say two or three or four gallons, and afterwards add weaker lye to and exclusive of offal, the beast weighed 125 st. 13 lb. 1913. Through the rib, the thickness measured 9½ inches, and the fat alone down the back 43, and on the back bone 5.

> Archery.-The annual Butt prize (being a handsome piece of silver plate, set out by the "Irvine Toxopholite Society") was shot for at their Butts, on the 6th and 7th of October. It was won on the latter day by Mr. John Dean, Post-master of Irvine.

LONDON.

A higeon belonging to a person at Liege, in he Netherlands, was set loose at Lyons, in the south of France, on August 3, at six o'clock in the morning, and arrived at Leige at eleven o'clock, the distance being about 290 miles.

The Science and Slang of Dog-fighting,—as practised by Colonels, and other "Gentlemen of England,"

Colonel Egerton; and Driver, a fallow-smut, the property of Oxford Bill. It was evident at set-A boy, fifteen years of age, undertook, for a ting-to, that, in point of strength and courage, next, as I claim the honour of being born in the wager of two pounds, to walk one hundred miles Razor was the best dog, and therefore the know. same town, and within a few miles of the celein twenty-three hours, on Heath-common, near ing-ones commenced a wrangle, by one of Bill's brated farm where they were raised; and were your columns at liberty, should like to give you task with great ease, had he not confided the Razor having been thereupon let loose by his a description of that, and several other farms in measurement of the ground to an unprincipled second, under an impression that the time keep-

places, whence it is conjectured that the poison must have been administered in pills-but these not operating as soon as the perpetrators expectmanagement of calling "time" falsely, by a confederate. Col. Egerton ought to have known, that if his dog had the advantage of four seconds, (as 'tis said he had,) the adverse party had their option of choosing, at any subsequent in go of the battle, to let loose four, or five, or six seconds out of time.

particulars of occurrences and observations made by an intelligent officer in the late voyage to the North Pole, we find that the fact of a change in of contrary tendency, which was thrown out in a former number af this volume (page 68,) and in making this acknowledgement, do not apprehend it has been penned prematurely.

-DISEASES OF DOMESTIC ANIMALS AND THEIR CURE.

Worming .- An operation performed on puppies, for the purpose of preventing them from bitdrawing out with a hook a small worm-like ligadescribed.

whatever kind of worms they may be, it is needless to enter into a particular description of them. The most certain sign of worms, except that of their being voided with the dung, is the appearance of a light yellowish matter immediately under the fundament. The inconvenience produced by worms, is that of making a horse thin and hide-bound, giving him a dry staring coat, causing some degree of langour and weakness, and in some instances they have caused slight attacks of colic. Worms however often exist in the bowels in a considerable number, without producing these effects. Botts are often found in the horse's stomach, when their existence had not been suspected while the animal was living; and even about the pylorous they are sometimes found in such numbers as almost to plug it up, without having caused inconvenience during life; but in some cases botts have caused the most serious diseases. I do not think it has hitherto been remarked by any veterinary author, that worms are sometimes found in the great mesenteric arte ry of horses and asses, and that in all such cases, there have been emaciation, staring coat, and hide-bound. It is remarkable, that young asses, that bave been half starved and sold for the purpose of dissection, are often found in this state. Horses that die of mesenteric consumption have generally the great mesenteric artery enlarged, its coats considerably thickened, and within it ma ny small worms. A worm is sometimes found in the eyes of horses; but this, I believe, is peculiar to hot climates; and it is remarked in a book published in India, by M. A. de l'Etang, that no European author has noticed it. I have been favour. ed with a description of this disease by a gentleman who has been for some time resident in India, 998,964; number of quarters, 1,563,749,870; numand he confirms the following account of this extraordinary worm by M. A. de l'Etang "It While almost every part of Europe is suffer-

what is termed the apple of the eye, and seems have failed this season, in diffusing its waters to to prescribe limits to a worm, which really exists the usual extent; the consequence of which will, in it, and appears by constant motion to endeaviti is feared, be a deficient crop of grain. ed, he would have won the battle, but for the our to escape. The horse feels no particular pain, but is deprived of sight, until the worm is different models and sizes, now building in and extracted by the following operation. Let the about Plymouth, and that ground is selling at horse be thrown down, open his eye-lids widely, 1,000%, per acre for sites or for opening roads. (this may be effected by means of the handle of a key, which at the same time will keep the eye north, this year produced a pear of the Burgamot steady,) make with a small lancet, an incision of species, which measured thirteen inches in girth, two lines (one sixth of an inch) deep, and five or and weighed fifteen ounces. Arctic Fox.—By some very recently published eye, taking care not to touch it. A fluid with the lish a rail-road between Leeds and Selby. eye, taking care not to touch it. A mind with the worm will immediately come out. The eye is afterwards to be covered from the light." Insects, peal from a conviction of "murder with premeterwards to be covered from the light." Insects, peal from a conviction of "murder with premeterwards to be covered from the light." Insects, peal from a conviction of "murder with premeterwards to be covered from the light." Insects, peal from a conviction of "murder with premeterwards to be covered from the light." Insects, peal from a conviction of "murder with premeter with peal in rance, in an appearance of the peal in rance of th colour from cinerous grey to white, on the ap- found in the livers of sheep that have the hepatic that though the practice thereof deeply offends pearance of winter, is now established beyond or liver rot. Worms are sometimes fatal to poul- against religion, morality, and public order, yet doubt, allowing the journal to be authentic. It is try, particularly turkeys. Mr. Weinsenthal obtis is not specified as an offence by any existing thus we would sacrifice to candour, a suggestion serves in the Medical and Physical Journal, ilaw. "that the inconvenience experienced by poultry from this cause, is at first but slight; gradually however, it becomes more oppressive, until the animal dies. Very few recover: they languish, by a gentleman to his Majesty, was lately brought grow dispirited, droop, and die." I have, in one from Carlton Palace, to Cumberland Lodge; it is instance only, found small worms in the windpipe of a mouse, or rather a dun colour; its coat or

In the treatment of horses that have worms in ing should they happen to become mad. It consists are the most effectual. Gibson, a very respecta-in making an incision underneath the tongue, and ble author, thought savine a good remedy: I have not found it so. Ethiops mineral and antimony ment. It is recommended by Mr. Daniel in his have also been thought good vermifuges, proba-Rural Sports, where the operation is particularly bly without sufficient foundation. A brown co-Worms.—The stomach and bowels of horses commended; it appears to be nothing more than jesty's inspection; and was led by the groom to are liable to be infested with different kinds of common salt, with a small proportion of sulphur, his Majesty's apartment, who admired him as worms; but as the same treatment is proper, or liver of sulphur. In one case sulphuret of iron much on account of his diminutive size as for his was given with a good effect to a horse that had docility. worms Mercurial purgatives however are the most certain remedies. The best method of exhibiting the mercurial medicine, is to give, for two or three successive nights, a dram, or a dram and a halt of calomel, and the morning after the last dose, a purgative ball. Gibson observes, that most of the preparations of antimony are efficacious for destroying worms. I have given the strongest preparation of that mineral, emetic tar-

Miscellaneous Items.

A locksmith, of the small village of Philipsberg, in Pomerania, has just invented a most extraordinary lock. Through an admirable mechanism, by turning three times a key, three pistols are loaded, which would infallibly kill any one who attempted to introduce an improper key. If, on the contrary, the lock is opened by means of the right key, then the pistols are unloaded by a different motion.—News of Literature,

A gentleman of Henly-on-Thames offered a farmer when at that market, a dinner and a bottle of wine, if he would bring him a grain of wheat on the following market day, and double the quantity each day, until that day twelvemonth. This was acceded to for the moment; but the following statement will perhaps satisfy those who have never entered into any similar calcula tions, of the impossibility of fulfilling such an engagement: Amount of the number of grains, 4 503,599,627,370,495; number of bushels, 12,509,

While almost every part of Europe is suffer- rectors are present.

Colonel had paid £27 for him. On opening the makes its first appearance by a light coloured ing from the overflowing of rivers, that great body, its stomach was found corroded in three cloud covering the eye; a circle is formed on source of fertility in Egypt—the Nile, is said to

It is said that there are five hundred houses of

The garden of Mr. Alderman Watts, of Bridg-

We understand it is in contemplation to estab-

The first almanac printed in Constantinople, was in 1806.

A curious pony which has lately been presented of an ass, which appeared to be the cause of his death. hair very rough; is four years old, and stands thirty-two inches high beautifully formed. It was brought from Norway, and is so docile that it the oowels, I believe that mercurial purgatives would follow the groom who has the care of him up and down stairs like a dog, and lay down on the hearth-rug before the fire; it has never yet been shod, will eat bread and potatoes as well as corn and hay, and drink beer. It was yesterday brought to the Royal Lodge in a neatly-fitted fancy-coloured salt brought from India has also been re- loured covering, bounded by a girth for his Majesty's inspection; and was led by the groom to

From the National Intelligencer of 8th inst .-We are happy to learn from an authentic source, that the British Government has recently communicated to this Government, through our Minister at London, the interesting information, that the Government has come to the determination to recognize the independence of MEXICO and tar, without any useful effect, to horses that had ing a declaration, as to the latter, until the effect worms. ed; and that this determination will be communicated successively to all the other foreign pow-

From the National Intelligencer, Feb. 10.

JOHN QUINCY ADAMS, of Massachusetts, was resterday elected President of the United States. for four years, to commence on the fourth day of March next, when the present term of Mr. Monroe's administration will have expired.

JOHN C. CALHOUN, of South Carolina, has been duly elected, by the electoral votes, to be Vice President of the United States, for four years, to commence on the fourth day of March next, when Mr. Tompkins' term of service will have expi-

₩0 PUBLICK UTILITY

AND THE CAUSE OF CHARITY COMBINED.

The patrons of the School for Plaiting Straw. are informed that it is now in operation at the School Room, in South Howard, near Pratt-street, and are respectfully invited to witness the result of their benevolence.

Tuesday mornings are appropriated to visitors, nt which time a committee from the Board of DiPUBLISHED IN THE AMERICAN FARMER BY ORDER OF THE STATE.

A report of the tobacco inspected at and delivered from Nottingham Inspection Warehouse, during the quarter commencing on the 4th Oct. 1824; ending on the 3d January 1825.

	Domestic growth.	Growth not of this state.	Re-in- spected.	Total
Number in- spected.	35			35
Number de- livered.	148			148

THOMAS BADEN, Inspector.

TREASURY OFFICE, ANNAPOLIS, Jan. 19, 1825. True Copy from the original report on file in his office.

B. HARWOOD, Tr. W.S. Md.

'A report of the tobaceo inspected at and delivered from Beard's Point Inspection Warehouse, during the year 1824.

	Oomestic growth.	Growth not of this state.	Re-in- spected.	Total.
Number in- spected.	30			30
Number de- livered.	30			30

HENRY BASFORD, Sen. Inspector.

TRASURY OFFICE, ANNAPOLIS, Feb., 1, 1825. True Copy, from the original report on file in this office.

B. HARWOOD, Tr. W. S. Md.

THE FARMER.

BALTIMORE, FRIDAY, FEBRUARY 18, 1825.

The meeting of the Trustees of the Mary. land Agricultural Society, held on Wednesday, at Mr. Caton's, was a full one, and its proceedings highly interesting and important. We have neither time, nor space, to give a full account of them.

The Judges for awarding the Premiums at the Cattle Show in June, were appointed. A communication to the Committee on Agriculture in the Legislature of Maryland, was read to the Board by the Corresponding Secretary; approved and ordered to be published. In like manner a detail of some highly important experiments, by a gentleman on the Eastern Shore of Maryland, was H. H. HAYDEN, Vice President. read to the Board; for which they passed a vote of thanks to the author, and a resolution that they be published in the American Farmer.

A Committee was appointed, consisting of R. Caton, D. Williamson, Jr., and Jas. Carrol, Esq'rs. to prepare Rules and Regulations for the government of the next Agricultural Exhibition. All these, with other proceedings, will be detailed in Beef, best pieces, 8-Mutton, do. 6 to 8 ets .- Live our next number. The Board finally adjourn Cattle, \$4 50 per ewt .- Apple Brandy, 25 ets .ed to meet again on Thursday, (yesterday,) four Herrings, No. 1, \$2-No. 2, \$1.75-Hay, per ton, weeks, at Eutaw, the residence of B. W. Hall, \$8-Leather, best sole, 24 to 27 cents-Feathers,

Esq. on the Harford road.

N. B. The day of meeting has been permanently changed from Wednesday to Thursday,

surprised to learn, in conversation last week with several members of Congress of that State, that the culture of Cotton is last extending in Virgi- to 33 cents. nia-That even not far from Richmond some planters are turning their attention to it, and cultivating from twenty to one hundred acres per year, thus regarding it as one of their chief staples.

IF At a meeting of the Board of Trustees of late Professor of Botany, to the Society. He la-street wharf, Baltimore, a very general assortmented deeply the loss which had been sustained ment of by this Institution, and by Society at large, in the death of one of the most distinguished ornaments of our scientific and literary circles-distinguished not for wealth, or the unenviable rank and power it confers; but for highly cultivated talents, a liberal and generous spirit, and that enlarged and enlightened philanthropy, which in duced him to throw open for the common benefit of mankind, the various stores of his intellectual harvests-abounding in seeds, and fruits, of all kinds of useful knowledge,

Aware of the estimation if which the deceased feelings, by offering the following Resolution,

which was unanimously adopted.

Resolved, That the Board of Trustees of the Maryland Agricultural Society, have heard with sincere regret of the death of their late Professor of Botany, L. H. GIRARDIN. In him the school of general science has lost one of its brightest white Clover Seed; Orchard Grass; Timothy; scholars, and the Maryland Agricultural Society Herds Grass; Millet; Lucerne; St. Foin, and one of its most active and useful members. The Roard sincerely condoles with the family of the deceased, and will observe it as a melancholy but imperative obligation to cherish his memory.

terature, convened at their rooms on the occasion be furnished as above. of the melancholy loss of their late venerable President, L. H. GIRARDIN, the following resolutions were moved by William Frick, Esq. and unanimously adopted.

the event which has deprived them of their Pre-

one of its most distinguished ornaments,

ate remembranee by his brethren of the Academy, dles and hand boxes. for his virtues and talents, his efficient and unwearied exertions in the cause of science, and his pre-eminent participation in their labours; and that in testimony of their high respect, the members of the academy will wear crape on the left arm for the space of thirty days.

Resolved, That Mr. J. T. Ducatel be appointed

to deliver before this Academy at its next annual

P. MACAULAY, Secretary.

CHARLES THE RESIDENCE TO A STATE OF THE PARTY OF THE PART

PRICES OF COUNTRY PRODUCE.

to \$4. 87 - Wheat, 90 to 95 cents-Corn, 35-Turkeys, in the market, 621 to \$1-Geese, 50-Cattle, \$4.50 per ewt.—Apple Brandy, 25 ets.—
Herrings, No. 1, \$2—No. 2, \$1.75—Hay, per ton, \$8—Leather, best sole, 24 to 27 cents—Feathers, of the Maryland Academy of Sciences; communicated by

Robert Sinclair

the Maryland Agricultural Society, J. S. Skinner, Is now opening and offers for sale, at his Agri-Esq. announced the death of L. H. GIRARDIN, cultural Repository, No. 1 Ellicott-street, Pratt-

GARDEN SEEDS,

most of which are of the growth of last season, and others imported, which on trial have proved to be good and true. A few of the principle articles are mentioned, as follows :- Early and Late Cabbage, of sorts; Early and Late Cauliflower; Early and Late Brocoli; Early and Late Spinach; Sea Kale; Scotch Kale; Brocole; Endive; Salsife, long swelled Parsnips; Celery; Tomatoe; Radish, of sorts; Lettuce, of sorts; Cueumber, of sorts; Squash, of sorts; Melon, of sorts; Tur-Aware of the estimation it which the deceased was held by the Board, he but anticipated their Beans, of sorts; Pumpkin, of sorts; Bunch Beans, of sorts; Pole Beans, of sorts; Early and Late Peas, of sorts; white and brown Mustard; Herb and Flower Seed assorted. Catalogues of Seeds furnished gratis.

CLOVER AND OTHER FIELD SEEDS. Of last summer's growth; red, sapling, and FRUIT TREES AND GRAPE CUTTINGS,

The Maryland Academy of Science and Li- of the most approved kinds. Catalogues will

IMPLEMENTS OF HUSBANDRY.

A general assortment ready made of the latest and most approved kinds, made of the best mate-Resolved, That the members of this Academy rials and workmanship, at moderate prices, as are penetrated with deep and sincere regret at follows:-Improved bar-shear Plough, of sizes, from one to four horses; Wood's cash-shear sident, and the republic of science and letters of Plough, of sizes; Cary, or Cagon Ploughs, of sizes; subsoil and double mould Ploughs-Cultiva-Resolved, That the memory of L. H. GIRAR-tors and Scarifiers, Wheat Fans, Screens, Safe and DIN, late President of the Maryland Academy of Window Wire, Corn Shellers, Daton's self-feed-Science and Literature, will be held in affection-ling Cutting box, Evans' patent do. common trea-

Also in Store,

Best steel spades, Hoes, Kinsey's east steel Axes, Picks, Mattocks, socket and other Shovels, with handles, ready for use, if required-Tools for gardeners, Chains, Hames, Swingle Trees, Lines, &e. &c.

Having endeavoured to keep such an assortment as will save the farmer and gardener much time and trouble in collecting the articles which they may require to proceed with their operations, they can now be supplied at this establishment on very moderate terms.

Orders from any part of the United States, or Flour, from the wagons, \$5-Wharf do. \$475 elsewhere, will be promptly attended to at the shortest notice.

CONTENTS OF THIS NUMBER.

live per lb. 32 cents—Cotton, Louisiana, 16 to 18 said Society for publication in the American Farmer—Forcents—Georgia, Upland, 15 to 17—Alabama, 13 ther extracts from Report of the Secretary of the Navy, on ently changed from Wednesday to Thursday.

Cents—Georgia, Upland, 15 to 17—Alabama, 13 ther extracts from Report of the Secretary of the Navy, on the Secretary of the Secretary of the Navy, on the Secretary of charity combined—Tobacco reports—Editorial notices—Announcement of the death of t. H. Girardin, Esq. Professor ing the past week.

WHISKEY, one year old, selling at Pittsburg of Botany to the Maryland Agricultural Society, and President 93 to 25 cents—3 years old, 31 cents—5 deet of the Maryland Academy of Science and Laterature—

\$2,700

12,250

7,250

210,000

800,000

50,000

Jul

AGRICULTURE. FOR THE AMERICAN FARMER.

INCREASE OF THE DEVON CATTLE.

A Devon Bull, two years and six months old, may be used from the first January, 1825, to the first July, 1834, when he will be twelve years old .-One hundred and fifty cows have frequently been served by one bull within a season. If he were allowed one hundred and ten cows in a season, deducting nine per cent. for accidents, one hundred calves would annually proceed from him; and allowing his male offspring to beget twenty calves each, in the term between the age of fifteen and twenty-seven months, and onehundred calves every year thereafter, the extraordinary number of 9,870,000 animals will have been produced on the first of July, 1834; which, estimated at one dollar per head more than the common cattle of the country, would make the enormous sum of nine million eight hundred and seventy thousand dollars gain to the community.

i the 1st J	an.		pulls.	nener	S.		
1826,	100 calves, of	which	say 50 an	d 50,	No. 1, wo	uld be pi	oduced
1827,		46	50	50,	2,		1
1828,	44	4.6	5 0	50,	3,		
1829,	65	66	50	50,	4,		
1830,	66	4.6	50	50,	5,		
1831,	66	44	50	50,	6,		
1832,	66	66	50	50,	7,		
1833,	46	4.6	50	50,	8,		ì
1834,	46	8.6	50	50,	9,		
ly 1, 1834,	44	66	25	25,	10,		

475 and 475, the immediate offspring of the original bull-total, 950

On the 1st April, 1827, the 50 bulls No. 1, will be from 15 to 18 months old, and accordingly fit for service; from them-

bulls. heifers. On the 1st April, 1828, 1000 calves, of which say 500 and 500, No. 11, would be prod. 1829, 5000 " 2500 2500, 12, 1829,5000 2500, 12, 1830, " 2500 13, 66 2500 2500. 14, 1831, 1832, 2500 2500, 15, 6.6 2500 2500. 16. 1833, 2500, 1834, 2500 17, July 1, 1834, 1250 625 625. 18.

> 16125 16125, immediate offspring of the 50 bulls No. 1,

On the 1st April, 1828, the 50 bulls, No. 2, will be from 15 to 18 months old; from thembulls, heifers.

On the 1st April, 1829, 1000 calves, of which say 500 and 500, No. 19, would be pred. 2500 2500, 20, 1830, 5000 21, 2500 2500, 1831, " 1832, 2500 2500, 22, 66 2500 2500, 23, 1833, 2500, 24, 2500 1834, 625, July 1, 1834, 1250 625

13625 13625, immediate offspring of the 50 bulls, No. 2, 27,250

On the 1st April, 1829, the 50 bulls No. 3, will be from 15 to 18 months old; from them-

bulls. heifers. On the 1st April, 1830, 1000 calves, of which say 500 and 500, No. 26, would be prod. 66 2500 2500, 27. 1831, 5000 66 2500 2500, 28. 1832, 1833, 2500 2500, 29, 8.5 66 2500, 30,

31, 625 625, July 1, 1834, 1250 11125 11125, immediate off-

spring of the 50 bulls, No. 3,

2500

On the 1st April, 1830, the 50 bulls, No. 4, will be from 15 to 18 months old; from them— On the 1st April, bulls. heifers.

1831, 1000 calves, of which say 500 and 500, No. 32, would be prod. 1832, 5000 2500 2500, 33,

> 82,700 Amount carried forward,

22,250

```
Amount brought forward,
                                                         34,
                                               2500.
      1833,
                                       2500
                                               2500,
      1834.
             6.6
                                       2500
                                                         35,
                              6
                                       625
                                               625,
                                                        36,
July 1, 1834, 1250
                                       8625
                                               8625, immediate off-
                        spring of the 50 bulls, No. 4,
                                                                        17,250
  On the 1st April, 1831, the 50 bulls, No. 5, will be from 15 to 18
```

months old; from thembulls. heifers. On the 1st April,

1832, 1000 calves, of which say 500 and 500, No. 37, would be prod. 2500, 1833, 5000 44 2500 38, .. 2500, 39. 1834, 2500 July 1, 1834, 1250 625 625, 40.

> 6125 6125, immediate offspring of the 50 bulls, No. 5,

On the 1st April, 1832, the 50 bulls No. 6, will be from 15 to 18 months old; from them-

On the 1st April, bulls, heifers. 1833, 1000 calves, of which say 500 and 500, No. 41, would be prod. 1834, 5000 " 2500 2500, 42, 625 625, July 1, 1834, 1250

> 3625 3625, immediate offspring of the 50 bulls No. 6,

On the 1st April, 1833, the 50 bulls No. 7, will be from 15 to 18 months old; from them-

On the 1st April, bulls. heifers. 1834, 1000 calves, of which say 500 and 500, No. 44, would be prod. 625, July 1, 1834, 1250 " 625 45.

1125 1125, immediate offspring of the 50 bulls No. 7, 2,250

On the 1st of July, 1829, the 500 bulls No. 11, will be from 15 to 18 months old; from them-

bulls. heifers. On the 1st July, 1830, 10000 calves, of which say 5000 and 5000, No. 46, would be prod. 66 25000 25000, 47, 1831, 50000 " 1832, " 1833. " 43, 25000 25000. 25000 1833, 25000, 1834, 25000 25000. 50, 105000 105000, immediate off-

spring of the 500 bulls No. 11, On the 1st July, 1830, the 2500 bulls No. 12, will be from 15 to

18 months old; from them-

On the 1st July, bulls. heifers. 18 31, 50000 calves, of which say 25000 and 25000, No. 51, would be prod. 125000 125000, 1832, 250000 52, 1833, 9.6 125000 125000. 53, 1834, 125000 125000. 54. 400000 400000, immediate

offspring of the 2500 bulls, No. 12, On the 1st of July, 1831, the 2500 bulls No.13, will be from 15 to

18 months old; from them-On the 1st July bulls.

1832, 50000 calves, of which say 25000 and 25000, No. 54, 1833, 250000 " 125000 125000, 55. 1334, .. 125000 125000.

275000 275000, immediate offspring of the 2500 bulls No. 13, 550,000

On the 1st July, 1832, the 2500 bulls No. 14, will be from 15 to 18 months old; from them-

On the 1st July, bulls. heifers.

1833, 50000 calves, of which say 25000 and 25000, No. 57, would be prod. 1834, 250,000 " 125000 125000. 150000 150000, immediate

offspring of the 2500 bulls No. 14, 300,000 On the 1st July, 1833, the 2500 bulls No. 15, will be from 15 to

18 months old; from them-On the 1st July, 1834, 50,000 calves, of which say 25000 bulls and 25000 heifers No. 59, would be produced,

> 1,949,000 Amount carried forward,

Vol., 6, -49.

1834.

160,000

550,000

300,000

50,000

Amount brought forward, On the 1st July, 1830, the 500 bulls No. 19, will be from 15 to 18 months old; from them-On the 1st July bulls. heifers.

1831, 10000 calves, of which say 5000 and 5000, No. 60, would be prod. 25000

1832, 50000 " 1833, " 25000, 25000 25000, 1834. 25000 25000.

> 80000 80000, immediate off-

spring of the 500 bulls No. 19, From the 1st July, 1832, to 1st July, 1834, the 2500 bulls No. 20, (their services to commence at the age above stated,) will have produced, From the 1st July, 1833, to 1st July, 1834, the 2500 bulls No. 21,

will have produced, On the 1st July, 1834, the 2500 bulls No. 22, will have produced, From the 1st July, 1832, to 1st July, 1834, the 500 bulls No. 26,

will have produced, From the 1st July, 1832, to 1st July, 1834, the 2500 bulls No. 27, 110,000 will have produced. 300,000 50,000

On the 1st July, 1834, the 2500 bulls No. 28, will have produced, From the 1st July, 1833, to 1st July, 1834, the 500 bulls No. 32, will have produced,

60,000 On the 1st July, 1834, the 2500 bulls No. 33, will have produced, On the 1st July, 1834, the 500 bulls No. 37, will have produced, 50,000 10,000 From the 1st October, 1832, to 1st July, 1834, the 5000 bulls No. 45, will have produced, 974,000

From the 1st Oct. 1833, to 1st July, 1834, the 25000 bulls No. 46, will have produced, 2,375,000

From the 1st October, 1833, to 1st of July, 1834, the 25000 bulls No. 50, will have produced, 2,375,000

From the 1st October, 1833, to 1st July, 1834, the 500 bulls No. 60, will have produced, 475,000

Notwithstanding the objection which has been brought by a distinguished gentleman of Massachusetts, against the attempts to largely improve our native breeds of cattle, by crossing with those of the best European stock, from the limited numbers which could be affected by the imported blood, it appears, that nearly ten millions of animals, might proceed from the loins of one bull within the term of nine and an half years; without regarding the offspring on the female side. If it should be objected that 15 to 18 months of age, is too early a period for a bull to procreate, I would observe, that a bull has the faculty of procreation at a much earlier age, and if restrained from more connexion with a cow, than is absolutely necessary, and properly fed, and kept up, in the English practice, his form would not be materially injured, nor would his usefulness be impaired.—Or, if it should be suggested, that sufficient allowance is not made for accidents, or defects in the males, and for the small portion of original blood which would be found in remote generations, it should be recollected, that the blood from the heifers is excluded, that their offspring in the fourth and fifth generations, arising from intercourse with the original bull, would, in the language of breeders, have nearly sunk the native blood. Thus their male calves would beget animals it is presumed, nearly as well suited to the climate and general uses of the country, as the parent male himself.

But to put aside all question of the fairness of the statement, take half the amount, giving 4,935,000, and one tenth of the value supposed to be attached to the improvement in the various offspring, of consequence varying exceedingly from the hrst to the last generation, and therefore estimated

at but ten cents in each animal, the large sum of \$493,500 would be the gain. the different parts. If any error in the calculation has arisen, it is hoped that it may be pointed out as I have no other object than the desire of exhibiting to your readers, the importance of Cattle Shows, Farmers' Journals, and Bulls.

Baltimore County, Feb. 8, 1825. A YANKEE.

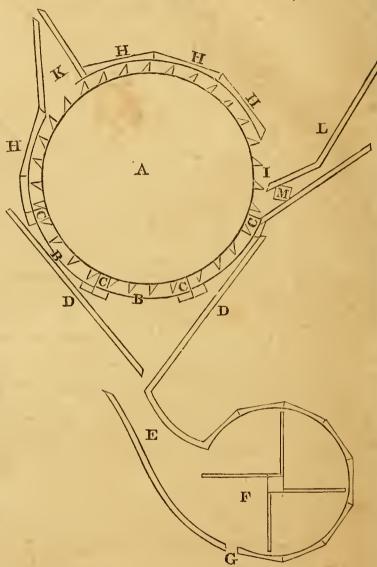
LABOUR-SAVING, COTTON-SPINNING MACHINES—ARE THERE ANY TO BE HAD? -OF WHAT DESCRIPTION AND PRICE, ADAPTED TO FAMILY USE?

Notoway, Jan. 24th, 1825. Dear Sir,-The inhabitants of this part of Virginia, have for some years (for reasons which it is unnecessary here to mention) been under the necessity of manufacturing their own clothing, at least for their domestics. As we wish only to labour for ourselves, and to labour with the greatest facili ty, we have, many of us, been desirous of procuring a "Cotton Spinning Machine," for our private families. Such were conveyed through some parts of this State a few years since, with from six to ten spindles, and such would now find ready sale amongst us. Would you be so good as to enquire ed? what would be the probable cost? what moving power would be requisite to spin a given quantity? By complying with the above request, you seed an hour. It was however discovered, that the power of one horse would serve many others besides your humble ser't, W. J. DUPERY. was inadequate to give it motion sufficient to do its best work.

FOR THE AMERICAN FARMER.

Description of Eurrall's Clover Machine.

COMMUNICATED TO THE PENNSYLVANIA AGR. SOCIETY, BY D. K. JONES.



The annexed diagram is intended to represent a longitudinal cut through the machine, from end to end. Shewing the situation and arrangement of

A. Shows the end of the cylinder, and one row of teeth. B. B. B. The bed, covered with perforated tin sheets.

C. C. C. Four leather stops, attached to the hed.

D. D. Sliding boards, to conduct the seed into the trunk of the fan.

E. The trunk of the fan.

F. The fan.

G. Opening in the fan, through which the clean seed falls. H. H. H. The cap, or covering of the cylinder.

I. The feed opening.

K. The chaff opening. L. The front board of the hopper.

M. The shaft of the feed roller.

This machine is the invention of Thomas D. Burrall, Esq. of Geneva, in he State of New York, and is in extensive and successful operation in the

western part of that state, by hand, horse, and water power. The first machine on this plan, and one of the largest which has been through the medium of your paper, where such machines could be procur- constructed, was put in operation by horse power, on the farm of the invensituation it had sufficient motion, and cleaned from so taken from it by a cross band.

two to three bushels an hour.

indefinitely, by enlarging the cylinder.

It is ascertained, that if the same power which is required to move one run of mill stones, should

more than four bushels per hour.

in a frame of wood, supported by four posts.

tenon, in the usual manner.

cylinder is armed with thin triangular iron teeth, seed wasted, or in the least injured. 12 inches long, and one inch wide at their bases, the teeth are serrated.

The lower half of the cylinder is incased in a place to place without injury. semi-circular covering, (called a bed) composed of three or more frames of wood, covered with sheet tin, perforated with holes large enough to admit the seed to pass through, when threshed. These frames are slid in semi-circular grooves, cut in the sides of the machine, two inches from

the face of the cylinder.

On the upper edges of these frames are nailed strips of soal leather, (called stops) in which are ped out.

in the opposite side of the cap, near the top, other pursuit than agriculture. which gradually diminishes in width to the end, to be the duty of every citizen to contribute his this fact is unnecessary as it speaks for itself. where it is 3 of an inch wide.

The foregoing description is a light water power. through 2,000 ft. of space in a minute, to do full my own observation, I know none so well adapted that grass, which never fails to correct it in the work. The motion of the fan is taken from the to our soil and climate, as that generally known currently known cylinder by a cross band, and should perform 3 by the name of orchard grass (botanically, docty-grass not causing ptyalism, is confirmed by Judge

It was afterwards set up on a small stream, pre- as many revolutions in the same time. The feed his glomerata)—and it has often struck me with viously occupied by a carding machine, in which roller has 4 the motion of the cylinder, and is al- surprise, that the knowledge and cultivation of it

Philadelphia, March 12, 1824.

-ORCHARD GRASS.

Oakley, Feb. 3, 1825.

To the Editor of the American Farmer.

which receive the seed as it falls through, and conducts it into the trunk of the fan.

The fan is inclosed in a circular case 1 ft. 6 in. diameter; from the lower part of which proceeds a serpentine trunk, 12 in. wide, at the end, inserted in the case, and gradually decreasing in width, to three inches at the other end. In the lower part of the trunk is made an opening, 1½ in. wide, through who have any conclusion that although orchard grass, like although it into the trunk are clover to take, or land; yet, that all circumstances considered, it will afford more pasturage and is better adapted to the improvement of poor land, than any other grass of which we have any knowledge.

I will here take occasion to state a fact, which will shew its excellence over all others for perwide, through which the clean seed falls.

tural community.

taken from it by a cross band. should be confined to one or two neighbourhoods. The clover heads, freed from the straw, are in our State. The value of this grass has long From numerous experiments it is found, that put into the hopper of the machine, from whence been known to the intelligent agriculturists in the the fair work of a horse machine, is one bushed they are shaken by the feed roller, within the acan hour, and that of a hand machine, eight quarts, tion of the teeth. They are then carried over by The work of the water power may be increased the motion of the cylinder, and all the light chaff, spectable Agricultural Society the most unqualileaves, dust, &c. is at once discharged at the chaff fied commendation. Judge Peters, the venerable opening, while the chaff containing seed, by its founder and President of that Society, who was superior gravity, falls into the bed of the machine, the first to introduce it into this country, and who be applied to the clover machine, it would clear and as the currents of air, are there checked by has continued to cultivate it for nearly fifty years, ore than four bushels per hour.

the stops, it lies at rest, while the teeth are cuthas more than once given his most unequivocal
ting briskly through it. As soon as the seed is testimony in its favour, and particularly in a comwhipped from the hull, the chaff rises, and flows munication published in the American Farmer The frame is 5 ft. long, 4 ft. wide, and 5 ft. high out of the chaff opening, while the seed falls two or three years since—(as 1 have not the voin the clear, and is put together with mortice and through the bed into the fan, where it is winnowed. lume at hand I cannot give a more particular re-The advantages which this machine possesses, ference.) Although eight or ten years have Within the frame is hung a cylinder, 4 ft. long, are as follows :- It performs its work at a single elapsed since the introduction of the orchard grass and 2 ft. 6 in. diameter. An axis passes through operation, and requires less than one-fifth the into my neighbourhood, and although I have long its centre, the ends of which revolve on metalic boxes inserted in the sides of the frame. The do the same work. No heat is raised, and no cylinder is armed with thin triangular iron teeth, seed wasted, or in the least injured. The uncomfortable dust, always attendant on my neighbours, an intelligent and skilful farmer, which are attached to the face of the cylinder, in other modes of hulling clover seed, is almost en-my attention was directed by him to a large field, rows 3 inches apart, around, and 1½ inches apart, tirely avoided, as the hull is not reduced to a pow-which had been well prepared and sown in due lengthwise of the cylinder. The acting edges of der, but merely broken. It is simple and com-time with clover and orchard grass; the clover, pact in its construction, and may be moved from according to the general complaint, had almost entirely failed; indeed it was only by an occasional tuft of it, that it could be discovered that any had been sown; while the orchard grass on the contrary (although in time of severe drought) afforded tolerably good pasturage—this field em-braced every grade of soil, even to the very extreme of poverty, and the same difference between the clover and orchard grass was observa-Sir,-The great importance of some kind of ble throughout; indeed a great part of the field grass which will furnish hay and pasturage, and was so extremely poor, that I should not have excut openings, to admit the teeth to play freely also ameliorate the soil by affording a cover and pected clover to take even under the most favour-through them, when the cylinder is in motion. consequent protection against the frosts and chil. able circumstances; (it being well known that lend must have some little heart as it is generalalso ameliorate the soil by affording a cover and pected clover to take even under the most favour-The office of these stops is to regulate the cur-ling winds of winter, and the heat and evapora-land must have some little heart, as it is generalrents of air which will necessarily be raised by the tion of summer, and at the same time supply a ly called, before clover will grow) but even on cylinder, when in rapid motion, so that the chaff mass of vegetable matter for decomposition when may lay at rest in the bed, till the seed is whip-turned under by the plough, will be at once ad-grass could be seen contending successfully against mitted by all practical farmers. Notwithstand- the poverty of the soil. This and other experi-Immediately below the bed, are sliding boards, ing their general acquiescence in this opinion, ments which I have witnessed, have led me to the which receive the seed as it falls through, and and although we hear an almost universal com- conclusion that although orchard grass, like al-

The upper half of the cylinder is covered by their arms in indifference, take their ease, and lot of orchard grass was sown near Ellicott's Mills, a semi-circular cap, corresponding with the circle of the bed. A feed opening is made in the medy for this growing evil—such apathy and suforward part of the cap, over which the hopper pineness; such gross neglect of their obvious inis placed. Another opening, 5 in. wide, is made terest, would be a matter of astonishment in any until it was enclosed within the last three or four years; Mr. Geo. Ellicott, the proprietor, states, through which the light chaff, leaves, dust, &c. Although I am but little in the habit of making that he cut in the last season from this ground, is discharged, by the motion of the cylinder. public communications, and feel considerable hesi-seeded thirty years ago, as abundant and heavy a From which opening proceeds a short trunk, tation on the present occasion; yet as I believe it crop of hay as he ever secured: all comment on mite, however inconsiderable, towards the gene- will, therefore, proceed to state another peculiar The sides of the cap extend the length of the ral stock of information; and also feel encouraged and most important property of this grass, in The sides of the cap extend the length of the rank of the machine, which, together with the cap, form by a remark (I believe) of Sir Philip Sydney,—which the experience of all concurs:—It is well three sides of the hopper. The other side is "that any man who makes two blades of grass to known that the second crop of clever and most made by sliding a board in grooves, cut in the sides of the cap, at their extreme ends. The "of his country"—I shall at once, without further called, the slaver in horses, the debilitating efbottom of the hopper is hinged to the lower edge apology, proceed to give you my ideas on this, as I fects of which are obvious; now the orchard of the last mentioned side, and rests on the feed conceive, most interesting subject to the agricul-grass on the contrary has no such effect, and my neighbours who cultivate it are in the habit, when Of all the various artificial grasses proposed as their horses are labouring under the salivation The motion of the cylinder is from the feed to substitutes for that great fertilizer, red clover, of caused by eating the second crop of clover and wards the chaff opening, and requires to pass which I have read, or which have fallen under other grasses, of turning them into a field of or-

Peters' experience of nearly half a century, as man, his lordship not allowing a driver. Each before alluded.

a communication contained in the Agricultural expense it was done at. Almanac for the last year, published under the direction of the Philadelphia Agricultural Society, that I have been induced to forego any further it should be so. remarks, and to request your re publication of that article in your valuable journal, being satisfied that coming from so highly respectable a source ing them will be most advantageous, makes a calthat it would be entitled to much more weight culation similar to that contained in the Northumthan could be expected from any individual communication. I have no doubt of the accuracy of feeding; and particularly in a district possessing the statement there given, and can vouch in ad- a breed of cattle, that can be sold fat to the butch- yoke of oxen harrowing in a field of grain in the dition to it, from my own observation and experier at so early an age, as from two to three years ence, for the great superiority of the orchard old, and having horses of such peculiar activity in seasons of drought which are unfortunately of fatigue, as to perform in hurrying and critical too frequent occurrence. I have seen this excellent grass at such times afford a very good bite, incompatible with the disposition and nature of when the clover and other grasses were completed oxen; for if they be driven a little beyond their selected, will walk a mile, or plough one fourth of ly parched—it also resists the hoof and tooth, natural pace, they are soon exhausted and give an acre, in as short a time as the generality of puts up more rapidly after having been eaten up; and are incapable of further exertion for horses; but the question ought to be, will he, down and affords good pasturage much earlier and some time afterwards, let the necessity be ever taking into view the various operations to be perlater than any other grass.

I am well aware that the price of orchard grass will be sufficient to sow the same number of acres; a farm, stated that oxen were much superior to the securing and cleaning it is attended with no horses, been betrayed into a very exaggerated desirable in cattle are, small consumption and expense, and with not much more labour than the view of the matter. same quantity of grain would require. In addi-

ground. Much more might be said in favour of this va- mit, but not an argument for a settled principle. luable grass, but it is hoped that the facts already only on a small scale) that they may have an opportunity of judging for themselves.

I am, with respect, your obedient servant, AGRICOLA.

ON THE RELATIVE VALUE OF OXEN AND HORSES,

Buck's County, (Penn.) Feb. 1825.

To the Editor of the American Farmer. ral purposes of farm labour, the argument in the tutes a very heavy balance against him.

pages of the Farmer, has hitherto been almost

he states in the communication to which I have ploughman had six oxen, three working four hours in the forenoon, and the other three, four I had intended entering more fully into this sub-hours in the afternoon. I lived in the neighbour most exclusively, that he found it necessary to ject, and to have drawn a comparison between hood at the time, and recollect that they were the keep double sets of them, in order to allow each this and the other grasses usually cultivated; but standing jest of the adjoining farmers, for the set, after working one half of the day, to rest the finding the subject so much more ably handled in small quantity of work they performed, and the other half—and I have myself seen a yoke of

At present I have not heard of a single oxdraught in the county; and it is no wonder that

When a farmer that has four three years' old oxen, wishing to know, whether working or feedberland report, he will not long hesitate to chose so great."
The object, in bringing forward these remarks,

seed has heretofore been so extravagantly high, is not to condemn entirely the use of oxen; on the day, and much more in the course of the year, as almost to amount to a prohibition of the cul the contrary, it is thought, that under circumstan- as much work, with the same neatness, preciture of it; but the farmer who has once got into ces not unusual, and in the ordinary management, sion, and accuracy as the horse; it has appeared the seed of it can continue to supply himself with of a farm, a yoke of them, may very advantage to me, that in these essential particulars, the less labour and expense with this than with any ously be employed, but to suggest whether the preference is so decidedly in favour of the latter, other grass seed, as an acre of tolerably good soil advocates of ox labour, in the warmth incident as to more than compensate for any little extra will produce from fifteen to thirty bushels of seed, to the prosecution of a favourite opinion, have expense in keeping, and for the entire loss of his (Judge Peters says from thirty to fifty) which not, when they have, for the general purposes of value, after 15 or 16 years of taithful services.

tion to which, after the seed has been saved, he mentioned in the extract, and that it is impossimay go over the same ground and cut a crop of ble to fatten them to advantage before five or six fat, a quiet, placid temper, and an indolence hay; and at the present reduced prices of grain, years of age, I answer why not then procure the crop of seed would be at least as valuable as them; they are already in the country. At best These qualities appear, in a great measure, in-any other crop which could be raised on the it is but an apology for a practice founded upon compatible with those which are required in an existing circumstances, which I am ready to ad- animal intended for labour; and it is a fact that

stated will be sufficient to induce the farmers of horse, have not the advocates of the farmer, been stock, and to the Improved Short Horns, both as Maryland to make the experiment of it, (if it be comparing in their minds, the best of one class with the worst of the other; forgetting that it is as much the interest, and as much in the power, of the farmer to procure good horses as oxen, and have used oxen in preference to horses; to which will they not acknowledge, that, when the com- it may be added, that on the continent of Europe, parison is fairly made, the horse is far superior to it has in some instances been thought advisable to the ox in intelligence, spirit, agility, activity, wind, endurance of heat and of long continued fa-FOR THE GENERAL PURPOSES OF AGRICULTURE. tigue, and in the power of making extraordinary nothing more than the cow's tail, fastened to the exertions at critical seasons, provided, there be plough, thus dispensing with both horses and an increased allowance of food? In the latter very oxen. The answer to all this is, that the system important particular, the ox, by his most zealons of agriculture pursued by the ancients and eas-Sir, -As upon the much controverted point of friends, is allowed entirely to fail; a failure, tern nations, when compared with the improved the preference of Oxen to Horses for the gene- which in the course of a very few seasons, consti- state of modern husbandry, may be pronounced

With respect even to the quantity of work persend you, the following extract from "Bailey's will be found that the performance of the ox has Survey of Durham," made by order of the Enbeen frequently overrated. In the favourable cli-

It has also been mentioned to me, by an intelligent farmer of this county, who had a long experience with oxen, and who employed them algood oxen, in the harrying time of hauling in hay, refuse to draw a load-and thus subject the owner to the inconvenience and delay, of getting his horses from the stable at a distance, which have then taken an additional weight without inconvenience, and with much greater alacrity and speed-for it is well known, that when an ox has once refused to pull, that it generally happens that neither persuasion nor violence will induce him to make another effort.- I have also seen a month of April, dragging the harrow at a snail's pace, with their tongues out and apparently algrass over all others for pasturage, particularly and exertion, and capable of bearing such extra most exhausted, while a pair of horses were performing, perhaps in the same field, the same work with ease and cheerfulness.

It is not, however, denied that an ox carefully formed upon a farm, the produce of which is also to be taken to market, perform in the course of

early maturity; in the female, large secretions of If it be said that our oxen are not of the kind rich milk; and in the male, (as also in the female, when dry,) a great propensity to become prompting to sleep, as soon as satisfied with food. the most celebrated breed of working oxen in En-When it is asserted that the ox is as fast as the gland are inferior to the Herefords, as grazing

grazing and dairy cattle.

It has sometimes been asserted, by way of argument, that the Greeks, Romans, and Asiatics, perform the farm labour with cows, and that the harness is so very economical, as to consist of barbarons in the extreme. -And it may be remarked, generally, that in proportion as improventirely upon our side-it has occurred to me, to formed under ordinary circumstances, I think it ed systems of cultivation have been introduced, so it has been found necessary to substitute the horse for the ox-and that, almost universally, in glish Board of Agriculture.—If you should think mate of England, it is stated by the manager of the most highly cultivated districts, the former it worthy of publication in your very useful pathe King's Norfolk farm, that it is necessary to are found to prevail in preference to the latter,—per, you can insert it when convenient.

There are, no doubt, some exceptions in the case "Oxen were, within my remembrance, much mentions very triumphantly that under his treat- of intelligent and zealous individuals, and also used in this district, but were then beginning to ment four oxen will plough nearly an acre per with respect to those situations where the mode give way to horses; the late Earl of Darlington, day; and an other of their zealous friends says, of cultivation is very peculiar, or where the cul-about 30 years since, was their last great advo-that four oxen will draw 80 bushels of barley, or tivation of arable land is upon a small scale, and cate; he kept 10 or 12 ox-draughts for several oats, performances which, in those who have subsidiary to the more important objects of rearyears; had them yoked in collars one before anobeen accustomed to employ good horses, must ing and fattening cattle, and of making cheese ther, three to a plough, and driven by the plough- excite a smile.

With these exceptions, I think, the proposition will be found to be correct.

P. S. In the 45th number, vol. 6th, of the Farmer, is the following observation -" I have many years cultivated onions on the same spot, and have never found the land at all impoverished by them-but on the contrary, my crops are better than formerly. But the manuring is yearly repeated, and must not be laid far below the surface.'

This paragraph so far from proving the assertion of the writer, conveys to my mind a contrary impression; for if the crop be not exhausting, where is the necessity for annual manuring? and in what way is it remarkable that the soil should improve? Would it not do so under crops confessedly exhausting, with the same system of annual manuring. As regards the question itself, no opinion is here advanced.

In this part of the country we have never found any difficulty in successfully cultivating the onion. and in good tilth, to plant the seed onions shallow and as early as possible, and when they show any duced.

TO PRESERVE SHEEP FROM DOGS.

To the Editor of the American Farmer. February 10th, 1825.

latterly, the different communications relative to river. The different communication relative to river. The different relative to r ces, one would think that the dogs had been depredating more, the last few months, than formerly; or that our sheep are now worth more care, and require more attention than heretofore.

I have been a house keeper for thirteen years and have never lost a single sheep by dogs, while my flock has varied from forty to one hundred my flock has varied from forty to one hundred those rivers from all such obstructions, in conformity; and during my owning sheep, it has been very common for me to learn of my neigh-such obstruction of the execution of the of government, by the Potomac, to the Ohio for want of attention; for some of them have appeared surprised, and at the same time pleased with my mode of taking care of my sheep to prevent dogs from getting to them; which is nothing more nor less than to have my sheep regularly drove to the pen with my cattle and hogs. My success thus far induces me to reason in this way, that the cattle will not permit dogs to enter the pen and destroy the sheep, but on the contrary,

As to taxing dogs, it is of little use, for man will have his amusement according to his taste; and nothing is more reasonable than for a man to take be of that description, were authorized to be ex able the board to determine, during the prehis dog and gun, and amuse himself about his farm; deprive him of this, he may roam from his wife became necessary to advert to our political system, should it prove practicable, its execution would and family to public places for amusement, where, in its distribution of powers and duties, between be of incalculable advantages to the country. It and family to public places for amusement, where, it is likely, he will not engage in amusement as in

Your last number of the 21st of January is received to day: I there read a communication from subject would afford much satisfaction to several incans of roads and canals, commercial and po et your subscribers.

Yours respectfully A FRIEND TO SHEEP, and A FARMER.

Internal Improvements.

We have now the pleasure to insert, as they fall appropriately under the above head, ex tracts from the comprehensive and luminous report of the Secretary at War .- We would gladly have given the whole report, so honourable is it, to the administration of that depart ment, were it not that we are afraid, as the lawyers say, of travelling out of the record,agriculture.]-Edit. Am. Far.

Extract from the Report of the Secretary at War to the President of the U.S.

DEPARTMENT OF WAR, December 3d, 1824. 5

The acts making appropriations for the repairs of Plymouth beach, the improvement of the entrance into the harbour of Presqu'Isle, on Lake It is thought necessary to have the ground rich sissippi, claimed the early attention of the department.

completed, and preparatory arrangements have execution of the act for the improvement of the latterly, the different communications relative to the preservation of sheen; and from appearant periment, but the river remained too full during These principles being fixed, it only remained obstruct the navigation of the Ohio and Mississipthe hoard should be directed to examine, in order
pi, a contract has been formed with a gentlemen, to cause surveys, plans, and estimates, to be
experienced in their navigation, to free both of
prepared, as directed by the act.

pen and destroy the sheep, but on the contrary, will drive out any dog that enters, thereby preserving my sheep, which every attentive farmer may have done; for sheep regularly penned, will acquire the habit of being governed very readily, and Louding the board, under the act, to determine what acquire the habit of being governed very readily, and cause but little trouble.

As to taxing doss, it is of little use, for man will the General and the State Governments. In thus would bind together, by the strongest bond of nocent as he would do at home, with his dog and those routes of roads and canals, which might be tion of this Union; but, in order fully to realize any particular state, however useful they might will be necessary to advert to some of the more Mr. Lewis Disbrow, of New Brunswick, relative be in a commercial or political view, or, to the striking geographical features of our country. to water boring, which I was much pleased with, transportation of the mail, were excluded from the United States have important of the provisions of the act. The States have important of view, as consisting of three getting a supply of water. Any account on this portant duties to perform, in facilitating, by distinct parts; of which the portion extending litical intercourse among their citizens; and within the sphere of these duties, they are more com on the Lakes, and the St. Lawrence, another; petent to act than the General Government; and and that watered by the Mississippi, including its

population and capital of the several states increase, these powerful means of developing their resources, will receive from their respective Legislatures due attention. But as numerous as this class of improvement is, and important as it may be to the General Government, in the discharge of the various duties confided by the constitution to it, there are other improvements not comprehended in it, of a more general character. which are more essentially connected with the performance of its duties, while they are less intimately connected with those belonging to the state governments, and less within their power of execution. It is believed that this class, and this only, was comprehended in the provisions of the act. In projecting the surveys in this view of the subject, the whole union must be considered as one, and the attention directed, not to those roads and canals which may facilitate intercourse between parts of the same state, but to those which Erie, and of the navigation of the Ohio and Mis- may bind all of the parts together, and the whole with the centre, thereby facilitating commerce and intercourse among the states, and enabling The execution of the two first of these works, the government to disseminate promptly, through disposition to run too much to top, to bend them was placed under the superintendance of officers the mail, information to every part, and to exdown and take off the seed vessel, it any are pro- of the corps of engineers. The first is nearly principles, the line of communication by roads been made for the early execution of the second. and canals, through the states, the General Gov-An officer, also, of the corps, was assigned to the eroment, instead of interfering with the state governments within their proper spheres of acnavigation of the Ohio, so far as it authorised an tion, will afford (particularly to those states si-Sir,—I have read with some astonishment, in experiment to be made, in removing the sand tuated in the interior,) the only means of perfect-several of the numbers of the Farmer, published bars, which obstructed the navigation of that ing improvements of similar description, which

sions of the act, directing measures to be taken to tion, to determine what particular routes were of remove the snags, sawyers, and planters, which "national importance," and which, accordingly,

bours, that their flocks have been at different times work. In the contract it is stipulated, that it river, and thence to Lake Erie; and accordingly, much injured by dogs, and all, I have no doubt, shall be executed under the superintendance and as soon as the board was organized, it was orderinspection of an officer of the Corps of Engineers, ed to examine, and cause this important route to
In order to carry into effect the act of Congress, be surveyed. Dr. William Howard, and Mr.
of the 30th April last, authorizing the President James Shriver, both of whom were well acquaint-'to cause the necessary surveys, plans, and estined with the localities of the route, were associatmates, to be made, of the routes of such roads ed as assistants with the Board. Two topographand canals, as he may deem of national importance, in a commercial or military point of view, or necessary to the transportation of the public tion,) and one brigade of surveyors, under Mr. mail," a board was constituted, consisting of Gen. Shriver, were placed under the orders of the

> act, as such only, as the President might deem to slope, is completed, which, it is hoped, will enamined and surveyed. In deciding this point, it sent winter, on the practicability of the project. fairly considered as falling within the province of its "importance in a national point of view," it

> along the shores of the Atlantic, and back to the Alleghany mountains, constitutes one; that lying there can be no rational doubt, but that, as the various branches, the other. These several por

lines, and have naturally but little connexion, between the Delaware and the Chesapeake, hav for example, the Alabama and Savannah rivers particularly in a commercial point of view. It is ing been already commenced, was not compre-with the Tennessee, James river with the Kenaonly by artificial means of communication that hended in the order. These orders will be expectation of the content of the this natural separation can be overcome; to effect which, much has already been done. The great canal of New York firmly unites the country of the Lakes with the Atlantic, through the completion of this chain, in a subsequent part of the report. To these, we may add, the route from Lake Champlain to the try of the Lakes with the Atlantic, through the commercial, military, and political point of view, are so striking, that they need not be dwelt on. It would, at all times, in peace and war, afford a both deemed important; but the latter particularly adverted to find the report. To these, we may add, the route from Lake Champlain to the striking, that they need not be dwelt on. It would, at all times, in peace and war, afford a both deemed important; but the latter particularly adverted to find the report. To these, we may add, the route from Lake Champlain to the striking, that they need not be dwelt on. It would, at all times, in peace and war, afford a both deemed important; but the latter particularly adverted to find the report. To these, we may add, the route from Lake Champlain to the commercial, military, and political point of view, are so striking, that they need not be dwelt on. It would, at all times, in peace and war, afford a both deemed important; but the latter particularly adverted to find the results which would in a subsequent part of the report. To these, we may add, the route from Lake Champlain to the subsequent part of the report. To these, we may add, the route from Lake Champlain to the subsequent part of the report. To these, we may add, the route from Lake Champlain to the subsequent part of the report. To these, we may add, the route from Lake Champlain to the season. under the administration of Mr. Jefferson, unites, prompt, cheap, and safe communication between larly so. Should it prove practicable, its benefibut more imperfectly, the Western with the At-lantic states. But the complete union of these separate parts, which, geographically constitute our country, can only be effected by the comple-Hampshire and Maine, though lying beyond the Besides the facility of intercourse which it would tion of the projected canal to the Ohio and Lake point where these improvements would terminate, afford between those states, our trade with Mex-Erie; by means of which the country lying on would not, on that account, less participate in ico, Guatimala, and the central parts of the conthe Lakes, will be firmly united to that on the the advantages, as they are no less interested tinent, would not only be greatly facilitated, but western waters, and both with the Atlantic states, than Massachusetts herself, in avoiding the long rendered much more secure, and the whole intimately connected with the cenand dangerous passage round Cape Cod, which tre. These considerations, of themselves, with- would be effected by the union of Barnstable and tioned, examined, in conjunction with Pennsylvaout taking into view others, fairly bring this Buzzard's bay, great work within the provision of the act digreat work within the provision of the act directing the surveys; but, when we extend our views, and consider the Ohio and the Mississippi, line of inland navigation extends, it is true, along the West, and the state of Pennsylvania, it was with its great branches, but as a prolongation of nearly the whole line of coast, which is suscepthought to possess other, and strong claims on the the canal, it must be admitted to be not only of tible of improvement, and may be rendered high-attention of the government. It is believed to be national importance, but of the very highest na-ly serviceable, particularly in war, and on that one of the most promising routes to cross the Altional importance, in a commercial, military, and account may be fairly, considered of "national leghany by a canal communication; and should political point of view. Thus considered, it in importance." The Dismal Swamp canal, from that by the Potomac prove impracticable, it navigation of both of these rivers, which has is nearly completed, constitutes a very important ject intended, by the canal projected by that been commenced under the appropriation of the link in this navigation. But it is conceived that, route.

last session of Congress; and also, canals round for the southern division of our country, the imthe falls of the Ohio, at Louisville, and Muscle provement which would best effect the views of ferred, are examined and surveyed, and plans Shuals, on the Tennessee river; both of which, Congress, would be a durable road, extending and estimates formed, in conformity with the ditions of the country together, as has been pointed route as soon as the next season will permit. out, but would also unite, in the most intimate manner, all of the states on the Lakes, and the canals to the North, would unite the several At-western waters among themselves, and give com-lantic states, including those on the Gulf, in a plete effect to whatever improvement may be strong bond of union, and connect the whole with too small to perform the various duties which made by those states individually. The advanthe centre, which would also be united, as has are assigned to it. Its duties have been more tages, in fact, from the completion of this single been shown, with those on the Lakes and the work, as proposed, would be so extended and western waters, by the improvement projected creasing every year. During the present year ramified throughout these great divisions of our in that quarter.

country, already containing so large a portion of our population, and destined, in a few generations, Ohio and Lake Erie, with the improvement of withstanding every officer of the corps has been experienced for the want of a sufficient number of officers, notour population, and destined, in a few generations, as to leave in that quarter, no other work for the execution of the General Government, exceptnals connecting the bays north of the seat of govservant.

on active duty during the season.

I have the honour to remain servant. ing only the extension of Cumberland road from erument, and a durable road extending from the Wheeling to St. Louis, which is also conceived seat of government to New Orleans, uniting the to be of "national importance." whole of the southern Atlantic States, are con-

in a national point of view, is the one extending the provisions of the act of the last session. The ers—such as the following: through the entire tier of the Atlantic states, in beneficial effects which would flow from such a The whole number of m cluding those on the Gulf of Mexico. By ad-system of improvement, would extend directly the army, for the year, ending 30th September, verting to the division of our country, through and immediately to every state in the Union; and 1823, was 2,558, which this route must pass, it will be seen that the expenditure that would be required for its. The aggregate and north of the General Government, including country, at least, as they will stand a few years 6,183. the Chesapeake bay, with its various arms in the hence. When completed, it would greatly favantage to improvement, by canal, in the north- extended country. ern, and less in the southern division. In the former, it is conceived to be of high national im-portance to unite its deep and capacious bays by importance in a commercial and military point of for all sums advanced to them within the three portance to unite its deep and capacious bays by importance in a commercial and military point of a scries of canals; and the board was accordingly view, and which the board will receive instruc first quarters. instructed to examine the routes for canals be-tions to examine. Among these, the most promitive and the Raritan, between nent is the connexion, wherever it may prove army, it appears by the Surgeon General's report, Barnstable and Buzzard's bays, and Boston har-practicable, of the eastern and western waters, has not been more than \$2.50 per man.—The bour and Narraganset bay. The execution of the through the principal rivers discharging them-

tions are very distinctly marked by well defined very important link in this line of communication, selves into the Atlantic and the Gulf of Mexico;

volves the completion of the improvements of the the Chesapeake bay to Albemarle Sound, which might afford the means of effecting the great obit is believed, can be executed at a moderate ex-from the seat of government to New Orleans, pense. With these improvements, the projected through the Atlantic states; and the board will the whole subject, as will enable Congress to canal would not only unite the three great sec-accordingly receive instructions to examine the commence and complete such a system of inter-

The completion of this work, and the line of the greatest possible advantage.

The board have, besides those already mennia Commissioners, a route for a canal from the

When the various routes to which I have reand estimates formed, in conformity with the directions of the act, it will present so full a view of nal improvement, as it may deem proper, with

In conclusion, I have to remark, that experience has shown, that the Corps of Engineers is

I have the honour to remain, your obedien

J. C. CALHOUN.
To the President of the United States.

There are some particulars disclosed in the The route which is deemed next in importance, ceived to be the most important objects within documents, which may be interesting to our read-

The whole number of men enlisted to recruit

The aggregate strength of our little army, by there is a striking difference in geographical features, between the portions which extend south wealth and population of the several sections of permitted by law, if the ranks were full, is but

The Quartermaster General, and Commissary latter division. In the northern part of the divi-cilitate commerce and intercourse among the General's Departments appear to have been adsion, all of the great rivers terminate in deep states, while it would afford to the government, mirably managed; and, as to the Paymaster's and bold navigable estuaries, while an opposite the means of transmitting information through Department, the head of it says, in his report, character distinguishes the mouths of the rivers the mail promptly to every part, and of giving that he is confident, that the whole of the troops in the other. This difference gives greater adeffectual protection to every portion of our widely are now paid to the first of September, and a considerable portion to the first of November; and There are several other routes, which, though that the Paymasters will render vouchers before

field, Mass. for the year 1823, was 186,824 dollars that of the Armory at Harper's Ferry, Va. was 194,368 dollars.

In the year 1823, fifteen thousand stand of arms were distributed amongst the militia of the several States and Territories, under the act of 1808. "for arming and equipping the whole body of before. the militia.

The number of Revolutionary Pensioners is \$298,000; to the third, \$9,876.

is 26,761, covering 4,475,632 acres of land.

HORTICULTURE.

FROM THE NEW-ENGLAND FARMER.

PRUNING FRUIT TREES.

Mr. Fessenden,-Very different opinions have

observed that I should only hurt my orchard by so close a trimming, and pointed to several orchards which had been much trimmed, and remarked that they were, at an early period, in a state of decay. And ten years observation has proved to me the truth of the remark.

that cross and shafe each other, dead limbs, and just opening, or the blossoms fully expanded, the limbs that droop by the weight of fruit, so as to pruning should be accomplished." trunk.

if not life itself.

agreeable to immemorial custom. That trimming his "practice has been to prune in the spring, in summer injures trees, I infer from the follow-beginning when the buds have scarcely began to ing facts. In the year 1817, several white oaks swell, and ending before the expansion of the stood scattered in a pasture that I now own. The leaves." We have likewise conversed with sevelower limbs on these were cut off in Jane, I suppose to prevent too much shade to the pasture. The properties the period pose to prevent too much shade to the pasture. The properties the properties are the period when the buds are beginning. ming. These oaks were from 8 to 12 inches in ed, by those who have had the best means of inbeen trimmed at this season.

the year, were but 53, and 13 of them were from The cutting off the limbs stops the ascent of the cannot but prove injurious, if not ruinous to the sap, when it is flowing in the greatest abundance, hopes of the orchadist. The expense of the National Armory, in Spring, and it lies stagnant in the body at the hottest season of the year, and causes a rot, as stagnant blood in the animal system tends to mortification.

These trees were injured in their growth as might be expected from the rotten state of the heart. The external rings, that grew after the trimming, were not as large as those that grew

summer, is injurious, from the fact, that bushes 13,034, that of Invalid Pensioners, 3,756, and that that are cut, and trees that are felled in August, of half-pay, in lieu of bounty land, 202. Of the first are almost invariably killed; while those that are class there died, in the three first quarters of cut in winter, send up a very vigorous growth of 1824, 441; of the second class, 73; of the third young shoots. Cut all the limbs off an apple tree class, none. The annual amount of pensions to in March, and so far from killing the stump, you the first class, is \$1,337,316; to the second class, will find, in the proper season, an abundance of new shoots. But perform the same operation in The number of Military Bounty Land War- August, and you will find a very different result. rants issued, up to the 22d of November, 1824, Now I believe that after the growth begins in the spring, the season becomes more and more un- before your readers, in an appendix, some obserfavourable for trimming, till the vegetation of the vations on the age, and other circumstances in retree begins to mature in the fall, which is indica- lation to them. Part of these may have a tendented by the turning of the colour of the leaves from cy to support a general theory as to their growth a deep green to a russet.

tance to choose the proper time in the year for curious may perhaps find some amusement, than pruning fruit trees; and, as observed by our cor- as offering any instruction to the theorist. prevailed respecting the best seasons for trimming respondent, "very different opinions have pre(pruning) apple trees. I believe it to be injurious to trim (prune) them much at any season.

Ten years ago, I purchased a farm with a large town. It had never been trimmed. Thinking to improve it, I began with a very abundant trimming. A judicious neighbour came along, and winds and frosts, before the circulation of the sap, may be seen in No. 1, Vol. VI. much trimming, except to cut off a few limbs to about the last of May, whether the buds are ated.

QUERY. Readfield, (Me.) Feb. 2, 1825.

Mr. Fessenden,-Several subscribers to your valuable agricultural paper, would be pleased to see a more particular description of the Baldwin apple, which is so highly recommended in the efore.

I furthermore conclude that trimming trees in We are wholly unacquainted with it in this part of the country. Perhaps the intelligent gentleman, who framed that report, can give some information on this subject. D. F. S.

> CORE D CHES John Lowell, Esq. President of the Massachusetts Agricultural Society.

Sir,-In the remarks I heretofore offered, upon Orchard and Forest Trees, I proposed to place and duration. But most of them are of the na-By the Editor.—It is a matter of great impor-sidered rather as "reminiscences," in which the

thrifty orchard, admitted to be one of the best in the bark adheres closely to the wood; consequent-town. It had never been trimmed. Thinking to by, the wounds occasioned by the amputation of spot, on a light soil or plain, for local convenience.

In our New England climate, we have the clear- to set out an orchard where it can be best availed Trees that are set at proper distances, so as est indications that the sap commences its circula- of, near the house, and on a soil that under other not to interfere with each other, will not need tion about the 10th of April. From this period circumstances, would not have been so appropri-

I was much gratified to observe in an account given in a late English publication, of some trees In Forsyth's Treatise on Fruit Trees, (page 48, become in any place too thick, the superfluous Cobbett's Edition,) it is asserted that "the best will die. In that case, the limb hardens and becomes very durable, and when cut off, there is no danger of its rotting, and leaving a hole in the says, "In New England the sap commences its when most wanted; 2dly, The equalization of To leave an orchard in this state, I know may circulation about the 10th of April.—From this the temperature of the earth; and 3dly, The look slovenly. But too much trimming is like period to the first of May the pruning should be preventing the roots passing into the poorer under too much doctoring. It is sure to destroy health, accomplished. If the work is done much later strata, by forcing them into a better soil, in a hothan this, the bark is apt to peel, which is very rizontal direction. These seem to be resources But if you trim, let it be in March or April, injurious."—Col. Pickering has informed us that of encouragement in this mode of practice, at

About three years afterwards, when the land pruning trees, to be when the buds are beginning bourhood. The first instance I shall notice, was came into my possession, I had these trees out to swell, but before the bark is so much loosened about the year 1750, of apples and pears. These down, and found every one of them in a state of by the opening spring as to cause it to peel readily, are principally decayed and removed; and for decay, from the heart to a narrow ring on the out- In short, ooth winter and summer pruning are many years, those remaining have given little or side, most of which had grown after the trum condemned, so far as our observation has extend- no fruit. But the pear tree has proved the longest liver, and greatest fruit bearer. In a second. diameter, and the whole centre of the body was formation; but instead of March and April, they the orchard was set out in about 1760. This also filled with white spots, which indicate an incipi recommend April and May, as the proper months is in a great state of decay, and most of the trees ent rot, was brittle, and evidently, the trees for performing the operation. It appears to us have failed, or very few only giving fruit. In this would have become hollow at no very distant pe- very rational to suppose that some activity in the latter instance the soil was very thin, and less faried. The same facts I observed in some trees of sap, at the time of pruning, would facilitate the vourable, and the trees much smaller. But the the sugar maple, that I trimmed myself; and I healing of the wounds made by the pruning knife; duration promised to be at least equal to the one never observed such effects in trees that had not and that frost, together with the consequent stag- preceding. It may be mentioned as the whim of nation of the juices of the tree, must have a ten an early cultivator. The gentleman who pur-These facts I account for in the following way: dency to cause a degree of rot or gangrene, which chased this orchard, had it from the man who set

of each tree."

The third orchard to be noticed was set out in about 1767. This is altogether of grafted fruit. Its most flourishing condition was in 1798, when it produced upon one and three fourths acres over 160 barrels of fruit. The marks of decay have been visible in it for several years, though the trees are still somewhat productive.

It would seem, therefore, from these instances, that the apple tree acquires its greatest productiveness in a little over thirty years, and that its continued state of vigour and of decay, occupy tilated and solenin memorials of former usefulness.

short lived utility.

to all rules, are now to be mentioned

In the fruit bearing season of 1822, I visited necticut, to see two extraordinary trees. one an apple, said to have been imported before the middle of the 17th century, by the old Secretary from England. The appearance of the tree was that of decay. It had been, probably, long hollow. At this time, as near as can be recollected, little more than one-third of the circumference remained; of this the bark was sustained by a thin layer of wood. A few weak limbs at the top bore some dozens of apples. Of these I brought and exhibited at the anniversary dinner of the Massachusetts Agricultural Society, at Brighton, a sample. The fruit must be considered ordinary; its flavour was of a bitter sweet .-It might have been useful for baking. What has made me look back to this incident more particularly, was, that about the same time, an English travelier was collecting a small box of the apples, which he took with him across the Atlantic, and presented to some Society, as I saw in a journal of this tree were noticed as quite extraordinary.

There is also a tree near where the Indian meeting house and burying ground in Natick were formerly, standing on an acre of ground given by an Indian to the Apostle Elliott, so called, which has been in bearing within a few years, and is said to have been a favourite apple with the Indians; it has obtained the name of the "Orange Sweeting." If this tradition is correct, this tree acquired nearly as many years; for this celebrat ed preacher, whose influence was so great among these tribes, died in 1690; and it was probably some years before, that he received this testimony of regard from his Indian admirer.

Of the size of the apple tree, 8 or 9 feet cir-

comference occasionally occur.

As to product, I have also seen mention made

of 50 bushels on a tree.

But both these points are so well exemplified in the county of Worcester, by a letter from W. tract therefrom.

"I have an ancient apple tree which bears every year a very large reddish and yellow skinned half an inch thick, and suspend them through the fruit, which is not in eating till the latter part of winter. It stands about 12 rods east of my barns, three or four times at intervals of three weeks, Its trunk near the ground, measures twelve feet Fifteen or twenty disks at a time are sufficient for five inches, and four feet above, ten feet four in ches, and is hollow from the ground upward, 8 feet, and would contain within it a thirty gallon and put on the bong as tightly as the twine, on cask-above, it is divided into three large branches; they are also hollow two or three feet from the trunk; they then become solid, and send forth ther the full, nor the new moon, nor the moon in

"Of all trees for product, there is an apple tree on the farm of Thomas W. Ward, Esq. our Sheriff, in Shrewsbury, which is pre-eminent. It stands northeast from, and near to his barns, is large, and grows in a good soil-and he has often assured me, he has made several years ten barrels of cider from its fruit. The last year he in your 43d number, how red pepper is pulverizmade about eight barrels from it."

The pear tree is sometimes intermixed with the apple in orchards, but oftener in gardens, or about that period. Some, to be sure, remain mu-lavoured spots of smaller extent. It is doubtless of longer life than the apple tree, and bears fruit The mode of practice by some, of cutting off for a greater extent of years. Many of very anold limbs, to produce young wood and more fruit, cient date have been known in this city, particuwherever I have seen it practised, has been of larly one in the garden of Major Melville. But I am enabled to give through the polite inquiry of Some which stand pre-eminent, as exceptions the Hon. Mr. Silsbee, President of the Senate, the particulars of the celebrated Danvers tree of Gov. Endicott, in a letter from a descendant of the garden of the Wyllis family in Hartford, Con-that gentleman. It can hardly be expected to The look further back.

Salem, December 4, 1823.

HON. NATHANIEL SILSBEE,-

Dear Sir,-The ancient pear tree in Danvers, about which you particularly inquired, was imported from England, and planted by Gov. Endicott on his farm in 1630. It stands on a hard clay bottom covered with a rich soil more than a foot deep, sheltered from the westerly winds, but exposed to the easterly. The ground has been cultivated as a field ever since it was planted, but no particular care has been taken of the tree until the last seven years, since which for antiquity's sake, it has been kept enclosed, the ground dug and manured, new sprouts have made their ap- of the Society; and that he report at each meetpearance, and will no doubt live many years. It jug the augmentation obtained, and the amount girts just above the ground six feet eight inches, and tapers but little to the crotch, which is four feet six inches from the ground. It never was a that country; and the age and circumstances of tall tree; the top is now about fifteen feet high, nually, to the Maryland Agricultural Society on this tree were noticed as quite extraordinary.

It bore one and a half the Eastern Shore, be admitted, on presentation of

Respectfully,

SAML. ENDICOTT.

I believe your readers will be too tired to venture into the woods with me, and the remarks on forest trees had better be deferred to another op-

I am with consideration and respect, Yours, &c. JOHN WELLES. [New-England Farmer.

RECIPES.

FOR THE AMERICAN FARMER.

To make Vinegar .- In a late number of the STEDMAN, Esq. of Lancaster, that I cannot do Farmer, a correspondent asks for information in better than close this part of my subject by an ex- the art of making Vinegar. The following method has been found good:-

Take raw red beets, cut them into disks about bung-hole in a cask of pure cider. Renew them a barrel containing 33 gallons of cider.

N. B. Place your cask in a dry warm situation,

which the disks are suspended, will permit.

P. S. The above, for its success, requires nei-

it out, that "he put a peck of oats at the bottom time since, who you know is a noted arborist, ob-jof the whole host of heavenly signs. The best served, it was the largest apple tree he had ever signs that I know of, are good cider, good beets, clean casks, and strong hoofis.

February 10th, 1825.

0 RED PEPPER.

Bedford County, Va.

A constant reader of yours makes the enquiry, ed. You may inform him it is the custom in this part of the country, to tear or break up the pods, and mix it up with dough made of corn meal, and bake it as a hoe cake, until it (the cake) is brown, and then beat it all together; it will then be strong and of an handsome colour. R. D.

THE FARMER.

BALTIMORE, FRIDAY, FEBRUARY 25, 1825.

FURTHER PROCEEDINGS

Of the Board of Trustees of the Maryland Agricultural Society at their last Session, at Mr. Caton's, on the 16th instant.

On motion by G. Howard, Esq.-

Resolved. That the Secretary to the meeting be directed to return the thanks of the Board of Trustees of the Maryland Agricultural Society to Fench Tilghman, Esq. for the communication of a number of valuable experiments made by him. Resolved, That the whole communication he

published in the American Farmer.—Approved. On motion by Jacob Hollingsworth, Esq.-Resolved, That each Trustee endeavour to obtain a further subscription to encrease the funds

collected.

On motion by J. S. Skinner, Esq .-

Resolved, That members who contribute, anbushel of fair fruit this year, 1823, and always has a certificate from the Treasurer of the Eastern been prolific. The fruit is good; and there can Shore, free of charge, to the Exhibition held by be no doubt of its having been engrafted.

the Society on the Western Shore.—(Passed unanimously.)

PRICES OF COUNTRY PRODUCE.

Flour, from the wagons, \$5-Wharf do. \$475 to §4. 871-Wheat, 90 to 95 cents-Corn, 35-Turkeys, in the market, 621 to \$1-Geese, 50-Beef, best pieces, 8-Mutton, do. 6 to 8 cts.-Live Cattle, \$4.50 per cwt.-Apple Brandy, 25 cts.-Herrings, No. 1, \$2-No. 2, \$175-Hay, per ton, \$8-Leather, best sole, 24 to 27 cents-Feathers, live per lb. 32 cents-Cotten, Louisiana, 16 to 18 cents—Georgia, Upland, 15 to 17—Alabama, 13 to 15—New Wool, 30 to 35—Merino, full blooded, 35 to 40-3 do. 30 to 35-1 do. 25 to 28-Common; 20 to 25-Turpentine, \$2 to \$2.25-Coal, pit, foreign, 40 cents—Virginia pit, 20 to 25 cents—Susquehanna do. \$6.50 to \$7—Lime, bushel, 30 to 33 cents.

CONTENTS OF THIS NUMBER.

Increase of the Devon cattle-Labour-saving, cotton-spinning machines; are there any to be had? of what description and price, adapted to family use?—Description of Burrall's and price, adapted to family use r—Description of Burrait's clover machine, with a cut—Orchard grass—On the relative value of oxen and horses, for the general purposes of agriculture—To preserve sheep from dogs—Extract from the Report of the Secretary at War, to the President of the U.S. -Pruning fruittrees - Query - Communication to John Lawell, Esq. President of the Massachusetts Agricultural Society, on orchard and forest trees-Recipes-Red pepper-

Valuable Experiments.

IMPORTANT EXPERIMENTS,

Made under the direction of the Secretary at and J. Wood, New-York.

WASHINGTON, 21st Feb. 1825.

To the Editor of the American Farmer.

Dear Sir, -Some time last summer, Mr. Gideon Davis, an ingenious mechanic of George-Town, in this District, invited me to a trial between the relative excellence of a plough constructed by himself, and several others of the most celebrated construction in our country. I attended the trial, but doubted the accuracy of the mode by which it was attempted to test the relative degree of power necessary to impel the ploughs in proportion to the work performed. On stating my objection to Mr. Davis as to the accuracy of the mode, he expressed much solicitude that such experiment should be made as would give satisfactory results, which I promised him should be done, if he would furnish the ploughs, and the means of making such experiments. Orders were accordingly given to the Officers of the Engineer, and Orduance Departments, at the seat of government, to institute a set of experiments in order to ascertain the rules which ought to be applied in determining the degree of power necessary to move ploughs of the same construction, opening furrows of different depths, and different widths, and which, being once ascertained, there would be no difficulty in determining the relative power, necessary to put in motion ploughs of different construction, according to the work performed by them, as is usually the case, those compared open furrows of different depths and widths.

I send you a copy of the report of the Officers, which will give you the result of the experiment, as far as made, on six of the most celebrated ploughs used in this neighbourhood, as the information may be interesting to your numerous agricultural readers.

I am, very respectfully, Your obedient servant,

J. C. CALHOUN.

Washington, 14th Feb. 1825.

The Hon. John C. Calhoun,-

Sir,-In compliance with your instructions, the undersigned have examined and subjected to the requisite trials such ploughs as have been submitted for that purpose, the result of which is exhibited in the following report:-

piece of ground with each, by means of horses.— The two first columns show the width and depth tion of the several ploughs tried. They are all they were then tried with a *Dynometer*, to associate the furrows; the 3d, gives the area of a transcertain the power required in each case to move verse section of the furrow; the 4th, shows the certain the power required in each case to move verse section of the furrow; the 4th, shows the tation in different parts of the country. They them. The Dynometer, which was so construct-power actually applied in each case, to draw the were all furnished by Mr. Gideon Davis, and dred, was attached to the clevice of the plough quired to each square inch of the furrow; and nished also all the means necessary to try them. beam, and to the hook of a three-fold tackle; in the 6th, gives the comparative results of the se-

and, therefore, it was presumed, that the instru-formed with two horses, in one case, will require renewed, as they do not wear so long as the other Vol. 6.-50.

would ensure greater accuracy. Mr. Davis ac. if all the furrows had equal depths. cordingly prepared a wheel and axle, with a rope War, to determine to proper rules for ascertaining the draft of Ploughs—and the relative cumference of the wheel, to which weights were merits of six celebrated Ploughs, to wit: The suspended in order to draw the plough forward. With this apparatus we renewed our trials, with plied, as stated in the table, is that which was used while the plough was moving with ordinary passing from the axle to the clevice of the plough with precision the first furrow made in the ground, -Peacock, New Jersey-Burdon, N. York- ses as before, and were then tried by the wheel velocity. and axle. The Dynometer used on the former occasion, had been re-adjusted since, and was tried at the same time with the wheel and axle; operations, which could possibly affect the result, and was found to give corresponding results .-The accuracy of the Dynometer being now satisfactorily ascertained, the use of the wheel and (Genl. Macomb) while the power applied, and axle, after a few trials, was discontinued, as the the dimensions of the furrows, were taken and Dynometer was found more convenient in prac-

The results of these trials are exhibited in the following table:-

TABLE OF EXPERIMENTS Made with Ploughs, November 3d, 1824.

100400	Number.
104 86 99 99 129 129	Weight, founds.
Gideon Davis, George-Town, G. Nixon, New-York, W. Brown, Maryland, Peacock, New Jersey, Burdon, New-York, J. Wood, New-York, Mean,	PLOUGHS. MANUFACTURER'S NAMES AND RESIDENCE.
inch. 12.28 12.00 11.00 11.06 12.06 11.06 13.07 12.02	Width of furrow.
inch 5.04 5.23 5.04 5.04 5.08 5.04	Depth of furrow.
66.31 62.76 70.04 73.08 54.52 73.98	Square inches in the section of the furrow.
1bs. 372 411 518 576 436	Power applied.
5.63 6.54 7.35 7.88 7.97	Pounds per square inch.
100 116 130 140 142 147	Relative proportion of power applied.
1003 1173 125 125 138 1473 1473	Relative power, reduced to mean depth of furrow.

Note.-Plough No. 5, was made after the celebrated Scotch plough.

Five ploughs were submitted by Mr. Gideon Davis, of George-Town, D. C. They were first merous trials, and is therefore more to be depend-they were before being moved by the plough. tried in the usual manner, by ploughing a small ed upon, than if single trials only had been made. ed as to show single pounds from one to nine hun-plough; the 5th, gives the number of pounds reunequal, varying in some instances, nearly ninety king any given furrow with plough No. 1, 147 the main body, consists of one piece; the share,

ment used was incorrect. The results not proving three horses, in the other. The last column gives satisfactory, we suggested other methods which the relative power reduced, as it would appear.

As it was found, that we could not measure

To guard as far as practicable against any errors, either of accident or design, no part of the was entrusted to others. In all the trials the ploughs were guided by one of the undersigned recorded by the others. As all the operations were several times repeated, and the mean of the results taken, we believe the table exhibits as correct a representation of the facts, as the nature of such operations will permit.

The ground upon which the trials were made, is situated upon the margin of a small water course, and is composed principally of sand, with a small proportion of clay and vegetable matter, and is covered with a very stiff green sward, which, however, is brittle, in consequence of its being composed mostly of sand. The specific gravity of the earth in its natural state before being broken up, was found to be 1664, or 104 pounds per cubic foct.

In examining the ploughing, which had been performed with the several ploughs by horses, a most striking difference was observed. The ploughs numbered 1 and 3 greatly surpassed either of the others; the furrow slice, was raised and turned over in one continued and unbroken belt, and laid in its whole course parallel to the furrow. The earth in its passage up the mould of these ploughs, and while turning over, appeared to be so bent, or twisted, as to crack or break it into very small parts, without tearing the sward asunder, and in such manner as to leave no large clods, but to pulverise the whole. But little difference was observed in the work performed by these two ploughs, No. 1 was, however, thought to be superior.

Ploughs numbered 4 and 6, appeared to break off the furrow slice in lengths of from 21 to 31 feet, and to cast them off separately, in a direction oblique to the furrow; the forward end of the piece lying in or near the furrow, and the other end at some distance from it. Thus,



The ploughs numbered 2 and 5, appeared to break the furrow slice in very unequal and irregular masses, and to throw them off in all directions, leaving large unbroken clods as hard as

We do not propose to give a detailed descrip. were in excellent order for use. Mr. Davis fur-

As we have found Dr. Davis's plough to be desuch manner, that the force applied in moving the plough, acted directly upon the instrument.

The results obtained in these trials, were very For instance, for each 100 pounds required in magicine.

The mould and land side, which forms per cent. This difference, it was conceived, was pounds would be required to make a similar fur-greater than could have resulted from the various row with plough No. 6; or, which is nearly the heel or shoe, forms the third piece. The forms and properties of the respective ploughs; same thing, a piece of work which can be perpart. The three pieces are all of east iron, and that as the widths are diminished, and the depths jits perfection an object of such deep interest to cast iron by means of screw bolts, and without varied, while their depths are increased as above. making any mortices or tenons. This method of uniting the several parts of the plough, and which is found in that of Mr. Davis's alone, we consider a great improvement, as it unites simplicity and cheapness of construction, with increased strength and durability. This method also gives facilities seen, for adjusting the plough, by making it inmore or less deep, at the pleasure of the plough-

In all the trials, which are exhibited in the earth, by penetrating to unequal depths, the powdata upon which to compute the ratio of resis- an important element in the calculation. tance, the following trials were made.

shallow furrow was made; then with the same ral ploughs, it will be seen that their depths are plough, a narrow and deep furrow was made, the particulars of which are given below, in connextrue results, by making proper allowance for ion with those of former trials made with the these inequalities. We took the mean of all the same plough, and exhibited in the foregoing table: furrows as the basis; and from that, with the fur-

Width of the furrow, ioches, Depth of do. do. 4 32 5.04 Area of the furrow in square inches, 63.00 66.31 70.05 336.00 372.00 487 00 Power applied, pounds, 6 09 Pounds per square inch, Proportion of power applied, 5.33 5.63 94.00 100.00 122.00

In these trials it will be seen, that the areas of are very nearly equal; while the power applied in drawing the plough, was very unequal. The the proportion of paragraphs of the respective furrows, the ordinary velocity to ploughs, was much great-cooked, the mess was found to weigh 15 ounces. This experiment was made with two views: proportion of power per square inch between the shallowest and deepest furrow, is, as 94 to 122, a difference of about 30 per cent. The depths of the furrows are 4.32 and 7.75, the ratio of which is about 1.8. The power applied per square inch is 5.33, and 6.9, the ratio of which is about 1.3.—Therefore by increasing the depth of a furrow, (without increasing its cubical content) in the ratio of 1.8, the power must be increased in the ratio of 1.3. From this it may be inferred, that by doubling the depth of a furrow, the power must be increased by at least one-third; or, which is the same thing, if three horses are required to perform the work in one case, four will be necessary in the other.

Again, by comparing the first of the above trials, with that extracted from the foregoing ta- the cases before mentioned, further trials are neble, we find the depth of the furrows to be, as cessary before accurate conclusions can be drawn. 100 to 125, and the power applied as 100 to 106. Hence it appears, in this case, that increasing the extended course of experiments is necessary. depth of a furrow one-fourth, causes an increased resistance of 6 per cent.

To illustrate these principles more clearly, we give the following examples: supposing, in the depth of furrow, and with different degrees of first instance, a furrow is made 4 inches deep velocity in each case. The power required to and 12 inches wide, and the power required is equal to 100. This case will then form the basis upon which all the other calculations are founded.

1.06	Depth.	Width.		
1st,_	4 in.	12 in.	48	100
2d, Depth incr	eased 4, 5	96-10	48	106
3d, do. 4.5,		6 2-3	48	130
4th, do. don	bled, 8	6	48	133 1

In all these cases it will be seen that the con-

are united by two screw bolts. The beam and increased, the power is increased also. In the the great body of our fellow-citizens, that a well handles, are united together, and secured to the following cases, the width of the furrows is not regulated series of experiments, by which the

			D	epth.	Width.	Area.	Power.
5th,				4 in.	12 in.	48	100
6th,				5	12	60	1323
7th,				7 2-10	12	86 4-10	234
8th.	٠			8	12	96	2662-3

which is not possessed by any other that we have depth of a furrow, without varying its width, the power is increased one third; and, if the depth cline to, or from the land, or make it penetrate be increased from five to eight inches, the power is doubled; and that if the depth be doubled, the have here recommended.

power is nearly trebled.

These trials are by far too limited, to warrant foregoing table, we endeavoured to make the our making any attempt to lay down any general ploughs form furrows as nearly similar in width law of resistance in such cases. The deductions and depth as practicable, from the belief, that in necessary for this purpose, can be drawn only cases where ploughs removing equal quantities of from very numerous trials, repeated under all the variety of circumstances and combinations, of er required would also be unequal; and, that the which such operations are susceptible. They greater the depth of the furrow, the greater have, however, been sufficient to prove, that the would be the resistance the plough would meet cubical content of any furrow, is not of itself sufwith. With a view to determine whether this belief was well founded, and if so, to obtain some ploughs; but that the depth of the furrow, is also

By referring to the first table, which gives the Plough No 1 was used, and first a wide and dimensions of all the furrows made with the seve-1st trial, former trial, 2d trial, row actually made in each case, computed the re14.57 12.28 9.01 sults which are given in the last column of the sults which are given in the last column of the evaporated the water, the vessel was filled up with table.

The velocity with which a plough is drawn forward, while under trial, is a circumstance which requires attention. We made a few trials with a view to determine the effect of varying the velo- and rich, drained from the corn. Thus drained, city. We found, that the power required to give and brought to the state of hominy tolerably well the proportion being as five to four. These trials first, to find what would be the increase of weight like those varying the depth of furrows, were not sufficiently extended to enable us to lay down any general rule upon the subject. It is evident, however, from the few trials we have made, that the velocity with which the plough moves, as well as the depth to which it penetrates, are circumstances necessary to be noticed in any trials which are intended to determine the comparative merits of different ploughs. The results obtained in such trials, may be very erroneous if these circumstances are not duly regarded.

In conclusion we beg leave to state, that all the trials we have mentioned were made in the same kind of soil. Whether the different ploughs tried would give corresponding results in different soils, we are not prepared to say. In this, like To determine these several points, a much more Such a course, we conceive, should embrace a trial of all the different ploughs; in all the different soils; with all the varieties of width and velocity in each case. The power required to move the plough, together with the manner in which the work was performed by each, and the appearance of the ground afterward, should be weighed fifteen ounces; but they yielded no rich noted in each case. The data obtained in this liquor, and appeared like a very inferior food to manner, would not only determine with great pre-cision the relative merits of the several ploughs now in use; but, when viewed in connexion with

principles of its construction could be investigated and developed, and its further improvement upon just principles be promoted, would doubt-less result in much public benefit. The use of the plough in the public service, at the remote posts on the interior frontier, where the system Here we see that by adding one-fourth to the of cultivation has been adopted, is very considerable; and together with its use in the construction of military roads, is sufficient, in our opinion, to warrant the further experiments which we

Respectfully submitted.

ALEX. MACOMB, Major General, Chief Engineer. T. ROBERDEAU, Lt. Col. Topographical Engineers. W. WADE, Captain,

EXPERIMENTS

To ascertain the comparative advantages of hreparing and using by various processes, and in different forms, several kinds of grain, &c. for food for hogs, cattle, &c. Communicated to the Trustees of the Maryland Agricultural Society, and by them ordered to be published in the American Farmer.

INDIAN CORN.

Five ounces of corn, (avoirdupois) just shelled from the ear, were put into 14 pounds of boiling water, and boiled for ten hours. As the boiling 1/2 a pound of cold water as often as appeared necessary. Six pounds two ounces of water were used; and when the boiling was done, there were eight ounces of liquor, five of which were thick

-and 2dly, whether the process of boiling would not produce every desirable effect, without the trouble and expense of having the corn ground into meal.

CORN MEAL.

Five ounces of unsifted corn meal were mixed with one pound ten ounces of scalding water .-Before it had boiled long, fearing it might burn, one pound ten ounces more of water were added. The meal was well cooked in one hour; but the mess being thinner than was wished, the boiling was continued for some time to evaporate the water-but the meal appeared to hold the water by a powerful attraction, and parted with it very slowly. When the process was stopped, the mixture was thinner than mush, or hasty pudding; but rather thicker than gruel, and was in an excellent state to give to a sow suckling a farrow of pigs. The mess was again put into the scales, and the five ounces of meal were now found to weigh over thirty ounces.

The meal may be cooked with one-fifth of the fuel, necessary to cook the corn.

LADY PEAS.

Five ounces of lady peas were next cooked .-The mess when thoroughly done and drained,

RYE.

the peculiar form and structure of each, would Five ounces of rye were put into one pound probably lead to farther improvements. The ten ounces of boiling water, and the boiling was tent of the respective furrows are equal; and plough is an instrument of such general use, and continued for five hours, in the course of which

ounces of jelly.

RYE SHORTS.

boiled very gently for 21 hours; in the course of which time fourteen ounces more of water were added. It was now a thick, rich gruel, and apparently in a nice state for a mess for a milch cow. In this state it weighed forty ounces.

FLAX SEED.

Five ounces of flax seed were next placed on the coals in one pound ten ounces of water-and twelve ounces more water were added. This mess was very easily excited, and the oil boiled over more than once. What was saved made a very rich looking mess of twenty-five ounces.

But nothing need be said in favour of flax seed But nothing need be said in favour of particularly of their hair, and this difference in that no committee shall award a premium of its members, and that no manager shall revery rich looking mess of twenty-five ounces.

But nothing need be said in favour of flax seed pearance, particularly of their hair, and this difference in that no committee shall award a premium of its members, and that no manager shall revery easily members, and that no manager shall revery easily members, and that no manager shall revery easily excited, and the oil boiled night, there was a very perceptible difference in that no committee shall award a premium of its members, and that no manager shall revery easily excited, and the oil boiled night, there was a very perceptible difference in that no committee shall award a premium of its members, and that no manager shall revery easily excited, and the oil boiled night, there was a very perceptible difference in that no committee shall award a premium of its members, and that no manager shall revery easily excited.

Betore the experiment of its members, and that no manager shall revery easily excited and the oil boiled night, there was a very perceptible difference in that no committee shall award a premium of its members, and that no committee shall award a premium of its members, and that no committee shall award a premium of its members, and that no committee shall award a premium of its members, and that no committee shall award a premium of its members, and that no committee shall award a premium of its members, and that no committee shall award a premium of its members, and that no committee shall award a premium of its members, and that no committee shall award a premium of its members, and that no committee shall award a premium of its members, and that no committee shall award a premium of its me fore corn meal for fattening beaves.

WHEAT SHORTS.

Five ounces of good wheat shorts were cooked in one pound ten ounces of water, with the addiand weighed thirty-one ounces.

In all these experiments, that the increase of both bulk and weight was caused and made by be no doubt. And when it is considered that water is the greatest ingredient in the richest made soups; and is the chief agent in the growth not only of herbs and plants, but of the huge oaks of the forest, why may it not in an absorbed and solid state conduce to the growth and increase of a hog?

CORN CRUSHED—(to ascertain the yield.)

A tub, or five bushels, of corn in the ear was ed by measure 41 bushels, wanting one quart.

If the eighty-one quarts of corn had been ground into tolerable meal, they would have yielded by measure one hundred and five quarts of mealand with the cobs added did make one hundred and forty-three quarts of fine chop. I regret that the different items of this experiment were not weighed as well as measured.

FATTENING HOGS.

On the first day of December, 1824, four shoats of the same breed, nearly of the same size, and as much alike in every respect as could be selected from a herd of ninety odd hogs, were made choice of; each carefully weighed, and placed in a separate stye, where their food could be exactly regulated. They weighed between 81 pounds and State of Pennsylvania, for the promotion of the 100. The two, whose weights together made 185 24 hours, and as much water as they wanted. This quantity of food was a plenty for them; gedifferent days between the 1st of December and ducts of their skill, ingenuity and industry. the 4th January, the time the experiment was

was now thoroughly done, and was enveloped in a tween them for every 24 hours. That is, these experience which they have acquired by their rich looking gelatinous substance, of which only two had allowed them exactly half the weight of first essay, will, they believe, enable them to two ounces would drain off. This mess, which the others had of raw corn. The conduct the next exhibition with increased benehad every appearance of rich, nourishing food, seven pounds of meal were daily mixed with fits to the public, and to those who shall exhibit weighed twenty-three ounces, beside the two scalding water, and then well boiled: the whole their manufactures. process of cooking was done on an average in 1½ A list of premiums is annexed, which will be hours. They were all fed twice a day, and at the awarded at the close of the exhibition, to the same time. The evening feed of the shoats fed maker of such specimens as may, in the opinion Five ounces rye shorts were mingled with one on mush was generally warm—the morning feed, of the judges, he most deserving having stood all night, was always cold. The seven pounds, or ten pints, of meal, when cooked, mittees appointed by the Board of Managers to weighed an average of 30 pounds, and measured an average of three gallons. There was a differ- conformably with the conditions annexed to each, ence of nine pounds in the weight of the latter which will, in all cases, be strictly adhered to; pair-the smallest had the least appetite, and his and the managers of the Institute reserve to themallowance of 15 pounds of mush was just as much selves the right of withholding any premiums, or as he appeared to want, or would eat up clear; of bestowing such compliment as the object may the other was greedy and always sharp set-dis- be deemed worthy of.

advanced.

rently equally good.

had gained 23 pounds, and the other 21 pounds.

experiments accurately repeated and tested by quired quantity at the terms affixed. different persons.

* The water may be denied all credit, if you please, except that of a diluent, and digestion.

Domestic Manufactures.

TO THE MANUFACTURERS AND MECHANICS OF THE UNITED STATES.

Mechanic Arts, inform the manufacturers, me-factured in any state of the Union. A specimen nerally they about consumed it. Some five or six to which they invite all persons to send the pro- neatness of the bars, will be taken into conside-

The success of their first experiment has im-

one pound more of water was added. The mess good mush, or hasty pudding, and divided be-raise the reputation of our manufactures. The

The award of premiums will be made by comdecide upon each kind or branch of manufacture,

To insure perfect impartiality in the decisions patched his mess quickly, and wanted more.

Before the experiment had progressed a fort-of the judges, the Institute have determined, stitute will exercise the right of awarding them On the 4th January, 1825, while preparations to articles not specified, which may be remarkwere making for killing and dressing, they were able for their novelty and usefulness, or for their again carefully weighed on the hoof. One of beauty and perfection in workmanship. Proof of those, whose daily allowance had been seven origin will be required to accompany every spe-When done the mess looked like a rich loblolly, and weighed thirty-one ounces.

pounds of corn each, had increased 20 pounds in cimen offered for premium. No article intended the 34 days; the other, who had had an equal for competition will be received after Saturday, allowance of corn had increased only five pounds. October 1. This provision is indispensable to en-I could not account for this difference by any thing able the committee to make a suitable arrange-I could discover either before or after killing; ment. Much inconvenience was experienced at the water, aided by the agency of heat, there can the appetites of these two were much more alike the last exhibition, from the contributors withthan of the others—and their health was appa-holding their specimens until it was opened. The name and residence of the maker must be affixed Of the pair fed on mush, whose daily allowance to each article, and as far as possible, the price had been 3½ pounds of meal each, the greedy one at which it can be sold. The committee of arrangement, or an auctioneer, who will be provi-These are all the material facts in these expedded by them, will make sales of all articles, of riments, except that a very small portion of salt which it may be the desire of the owners to diswas put into each mess of mush—and there is no pose. No premium will be awarded by the miracle in them.* The hogs, allowed 3½ pounds Franklin Institute to any article which has received one at another public exhibition, and none can The cobs were then pounded and again mixed and this surely they might have gained from the receive a premium at the second exhibition which with the corn. In this state the whole was ground, and reduced to a fine chop. It now yield-bell that quantity of corn. The saving of one-the some article deposited at the first; samples half the immense quantity of corn consumed in of which have been kept as far as practicable. raising and fattening hogs in Maryland, would be Whenever the price is made a condition of prewell worth the offer of a premium to have these mium, the makers must engage to furnish the re-

Any articles intended for exhibition, may be deposited at the Hall of the Institute, after the

first of August next.

Persons desiring further information, may address themselves by letter (free of postage,) to any member of the committee, who will reply to all such communications.

List of Premiums offered by the Franklin Institute of the State of Pennsylvania, and to be awarded at their second annual exhibition in October, 1825.

1. To the maker of the best cast steel manupounds, were fed on one gallon of shelled Indian chanics, and artizans of the United States, that of at least ten pounds, in bars of one half inch corn, weighing seven pounds, to each, for every they will hold their second annual exhibition of square, or smaller, must be exhibited, with a American manufactures, in the city of Philadel-certificate that at least one hundred pounds have phia, on the 6th, 7th, and 8th of October, 1825, been made. The quality of the steel, and the

ration in estimating its merit—A silver medal.
2. To the maker of the best blistered steel going on, they did not quite eat their whole allow- pressed the Institute more strongly with the con- manufactured in the Union, from American maviction of the utility of such exhibitions, and has terials. A specimen of at least one hundred To the two shoats, whose weights together encouraged them to continue their exertions to pounds must be exhibited, together with a certimate 173 pounds, seven pounds of good Indian excite by these means, among our mechanics ficate, that at least one ton of the same quality corn meal, by measure ten pints, were made into and artizans, an emulation which will tend to has been made. The steel must be capable of

imported. If it be not superior, but will be entry fair comparison with that imported, it will be entry fair comparison with that imported, it will be entry fair comparison with that imported, it will be entry fair comparison with that imported, it will be exhibited—I silver medal. Regard will mating this article, the colour as well as the texture will be considered.

33. To the manufacturer of the best cotton awarded, unless the sample be superior to that the cloth. exhibited in 1824.

the first of September.

a practice prevails among iron masters, to leave nished at the same price.
a portion of crude metal at the end of their bars,

19. To the manufacturer of the best piece of for this premium are informed that the neatness be exhibited—A silver medal. The cheapness silver medal—not less than fifty yards to be exof the bars will be considered, and that no bar at which this cloth will be offered, will also be hibited. such iron, without a fag, if desired.

4. To the maker of the best specimen of cast price, if required. iron pipes mannfactured in the United States: 20. To the maker of the best piece of cassisamples not to be less than one hundred feet, of mere manufactured in the United States from medal.

long—A silver medal.

5. To the maker of the best smith's anvil, steel laced, weighing not less than seventy pounds—flannel made in the United States; not less than bronzed medal.

A silver medal. The anvil made in any state of forty yards to be exhibited—A silver medal. Asthe Union.

the basis American sheet iron, the japanning quired. done in Pennsylvania-A silver medal. In awardtaste of the designs, and the finish of the samples, than fifty yards to be exhibited—Abronzed medal, not less than twelve pieces to be exhibited—A will be taken into consideration.

7. To the person who shall have made in Penn

less than five tons-A silver medul.

8. To the person who shall have made in Penn-ty be equal to that of the imported article. sylvania the greatest quantity of alum, during the year ending September 1st, 1825; the quantity not less than five tons-A silver medal.

9. To the maker of the best green colour, suit-certificate of its having been made in the United able for the general purposes of painting. Cer-tificates of the colour's resisting the action of the 25. To the maker of the best piece of domes-25. To the maker of the best piece of domes-A silver medal.

- 11. To the maker of the best crucibles of earth-price-A bronzed medal. and to stand at least seven heats in a brass-foun-bronzed medal. der's furnace. They must be capable of holding at least forty pounds of metal: one dozen of crucibles must be exhibited, together with a certifi- to be exhibited—A silver medal. cate of their having been made in the United States-A silver medal
- 12, 13, 14. To the makers of the best pottery of red and white earthen, and China wares, from hibited-A silver medal. American materials—For each a bronzed medal.
- expected, and the estimate of the merit of each must be exhibited-A silver medal. manufacturer will be formed upon an examination of all the articles furnished by him-A silver of furniture calicoes, (chintzes) made in the Uni medal. The glass to be of American manufac-
- 16. To the manufacturer of the best cut glass, made in the United States—A silver medal. In of calicoes or prints, for ladies' dresses, made in awarding this premium, regard will be had to the quality of the glass, as well as to the skill and exhibited—A silver medal.

 A friend of mine, wishing to sow his ground around his dwelling, sent to Philadelphia for a few bushels of seed, but he was informed by his beauty of the cutting.

imported. If it be not superior, but will bear a wool of American growth; not less than ten yards pieces to be exhibited— A silver medal. In esti-

18. To the manufacturer of the best piece of cloths, of superfine quality, in imitation of Eng-3. To the manufacturer of the best bar iron cheap broad cloth, made in the United States lish cambric muslin—A silver medal. The iron from wool of American growth—A silver medal. 34. To the manufacturer of the best bar iron from wool of American growth—A silver medal. to be of suitable quality for the purpose of con- As regard will be had to the lowness of the price, verting into steel. Specimens of not less than one hundred pounds must be delivered on or before um will not be awarded unless assurance be given, e first of September.

that any quantity, not exceeding five hundred

35. To the manufacturer of the best loom cotthe Institute having observed with regret, that yards, of similar quality, will, if required be furton stockings; not less than one dozen pair to be

presenting a fag end will be received for compe-considered; hence the premium will only be tition. The manufacturers must state on what awarded on assurance being given, that a quanti- buttons, of American manufacture; not less than terms they would engage to deliver fifty tons of ty, not exceeding two thousand yards, of the five gross to be exhibited—A silver medal. same quality, will be furnished, at the same 38. To the maker of the best specimens of

one inch caliber, in sections of at least four feet American wool; a specimen of not less than ten

yards to be exhibited-A silver medal.

22. To the manufacturer of the best piece of

23. To the maker of the best woollen blankets, bronzed medal. made in the United States; one dozen pair to be weight, and no premium awarded unless the quali- en pair to be exhibited - A bronzed medal.

24. To the maker of the best specimen of in less than twenty yards to be exhibited, with a dozen pair to be exhibited - A bronzed medal.

atmosphere will be required; the colour to be tic carpeting, made in Pennsylvania, not less than of not less than five pounds must be exhibited ness is an object, the price must be affixed to the zed medal. samples. No person shall be entitled to this 10. To the maker of the best water colours premium unless assurance be given, that any quan cabinet piano-A silver medal. manufactured in the United States-A silver me-tity, not exceeding one hundred yards, may be obtained of the same quality, and at the same piano-A silver medal.

27. To the maker of the best piece of sattinet made in the United; not less than twenty yards nufactured in Pennsylvania-A silver medal.

nankeen, made in the United States, in imitation medal. of the Chinese; not less than five pieces to be ex-

29. To the manufacturer of the best specimen 15. To the maker of the best glassware, not of yellow nankeen, made in the United States, in cut. An assortment of different articles will be imitation of the Chinese; not less than five pieces

30. To the manufacturer of the best specimen ted States; not less than fifty yards to be exhibited

-A silver medal.

31. To the manufacturer of the best specimens I believe is not much cultivated.

receiving a fine edge—A gold medal will be 17. To the manufacturer of the best piece of of Salempore, manufactured in the United States, awarded, in case the sample is superior to any blue broad cloth, made in the United States, from in imitation of the imported; not less than ten

34. To the manufacturer of the best specimen of cotton thread, in imitation of English wire cotton; not less than forty pounds to be exhibited -A silver medal.

exhibited-A silver medal.

36. To the manufacturer of the best specimen forming what is termed a fag, the competitors negro cloth; not less than one hundred yards to of linen shirting, made in the United States-A

37. To the maker of the best specimens of gilt

38. To the maker of the best specimens of sole leather, made in the United States; not less than twenty-five sides to be exhibited-A bronzed

39. To the maker of the best specimen of morocco made in the United States; not less than 21. To the manufacturer of the best piece of twelve pieces of each colour to be exhibited—A

40. To the maker of the best specimen of surance must be given, that three hundred yards, leather, prepared in the United States, in imita-6. To the maker of the best japanned goods; at the stipulated price, will be furnished, if re-tion of Russia; not less than twelve pieces to be exhibited-A bronzed medal.

41. To the maker of the best specimen of ing this premium, the quality of japanning, the green baize, made in the United States-not less parchment, manufuctured in the United States;

42. To the maker of the best buckskin gloves, sylvania the greatest quantity of copperas, in the exhibited-A silver medul. The blankets to be the leather dressed in the United States, the year ending September 1st, 1825; the quantity not from two to four points; regard will be had to the gloves made in Pennsylvania; not less than a doz-

> 43. To the maker of the best kid or sheepskin gloves, the leather dressed in the United States, grain carpeting-A silver medal. A piece of not the gloves made in Pennsylvania; not less than a

> > 44. To the maker of the best horse skin gloves. made in the United States; not less than a dozen

45. To the manufacturer of the best japanned made in any part of the United States; samples twenty-five yards to be exhibited; and as cheap-leather, prepared in the United States-A bron-

46. To the manufacturer of the best upright or

47. To the manufacturer of the best horizontal

48. To the maker of the best specimen of cabienware, or other cheap material, suitable for brass founders. The crucibles must be able to fit for carpeting, made in the United States; not medal. In awarding this premium, regard will resist heat as well as those made of black lead, less than twenty-five yards to be exhibited—A be had to the excellence of workmanship, and to the taste and design manifested in the specimens.

49. To the maker of the best straw bonnet, ma-

50. To the maker of the best Leghorn or grass 28. To the maker of the best piece of blue bonnet, manufactured in Pennsylvania—A silver

[To be concluded in our next.]

AGRICULTURE.

RYE GRASS.

Recommended for Lawns and for Hay. FOR THE AMERICAN FARMER.

Mr. Skinner,-I read in the Farmer some time ago, some observations on Rye grass, a grass which

32. To the manufacturer of the best specimen correspondent, that Ryc grass was not known to

the seedsmen, and they sent him orchard grass seed, believing it was the kind wanted.

I have noticed this grass for upwards of twenty years, and think it the very best grass for a per-

grows, its colour is a beautiful dark green, its blades are smooth and glossy, it grows close and thick, does not bunch, and bears the hoof better than any grass I am acquainted with. That part Denistonn's excellent crop of Swedish turnips, of my yard lying between the house and garden, cultivated according to the method of Cobbett. where it is must trodden, has not failed in any In a field almost adjoining, there is a crop still respect; the back part of the yard, where it is better, which were raised by Mr. Wm. Warnock, not so much trampled on, has in places, given in the usual way. The distance between the drills way to ripple grass. Sown with clover on good is 28 inches, and the plants are nearly 11 inches rich soil,) it yields an abundant crop of hay; and on the 28th of May, and were thinned with the I think the heaviest crop of hay, peracre, I ever hoe, and parted and set up with the plough, acsaw cocked, was a lot of three acres of Rye grass cording to the ordinary practice. It was meant and clover. They ripen at the same time; the to leave them 10 inches as under; but this method Rye grass is vastly superior the first crop, but does not admit of the same exactness as transgives place to the clover the second crop, after planting. The Scotch acre would therefore con-which it makes a fine fall pasture, which every tain 26,356 plants, and the English 20,740. The kind of stock is fond of.

or plat, it must be cut often or grazed close.

ground had been put in complete order, a small larger than Mr. Denistoun's .- Glasgow Chron. portion of oats was sown at the same time, to shelter the young grass from the frost, and harrowed in; the clover seed was sown in February, and it produced a clever crop of hay in June.*

It has succeeded with me when sown in April, but a gentleman who cultivated it largely, always IN MARYLAND-EXPERIMENTS MAKING IN CAROpreferred sowing in the fall. I have never seen this grass properly described, and I notice it to induce some of your readers to make trial of it.

* June following is produced the heavy crop.

To the Editor of the American Farmer. Sin - The advantages of the cattle shows to the agricultural community, in a greater or less degree, must be admitted by every one who has attended them; but I have thought there might be connected with it, a fair for the sale of live stock, and agricultural implements of all kinds. It was one of my objects in attending the last exhibition, (and I found it to be so with others) to purchase some country cattle, cows and oxen, work horses and mules, but there were none such there. If the ground be sufficiently extensive, and it did not bile Bluffs some years ago? interfere with the great objects of the society, would it not be well to erect, or permit others to erect sheds and enclosures, for the drovers and dealers, for the accommodation of their cattle; and would it not be advantageous, both to the sellers and buyers, thus to bring them together?

A. YOUNG FARMER.

[There can be but one opinion on the above question.-It has been one of the chief objects in the view of the Trustees, and we can promise, that measures will hereafter be taken with more Red Oval, or Raisin particular reference to it .- In the mean time, we can promise every accommodation that can be desired by those who may send any thing for saleand on the most reasonable terms.]

Edit. Am. Far.

Great Crops.—Mr. John Ronald Titwood, on the estate of Sir John Maxwell, has a field of redtopped turnips, in drills, 28 inches asunder, and the plants, in consequence of deficiencies, at 18 manent lot, or lawn, or plat, I have ever seen, it inches distance. They were sown at the beginning of June, and after thinning, were repeated-My farm house is situated in the centre of a ly dressed with the plough. The average weight square piece of ground, containing about one acre. of the turnip, including the top, is 124 pounds, I sowed the enclosure with Rye grass seed twenty- at the rate of 88 tons per Scottish acre; without five years ago, and most part of it is now as thick the top, 9 lbs. or 68 tons per Scottish acre, or 50 and as healty, as it was at three years old. It is tons per English acre. Three of the largest turthe most beautiful grass for a plat, of any other, nips have been sent to our office, they weigh, it is one of the earliest and latest grasses that without the tops, 281 lbs. and 24 lbs. -Glasgorv

Swedish Turnins .- We lately mentioned Mr. ground, (and here let me observe it delights in a asunder, or twenty in 18 feet. They were sown field in question, consisting of about half an acre, If intended for hay, it must not be suffered to was examined on Saturday, and the average get very ripe, as it then gets hard and wirey; if weight of each turnip, with the top, was found intended for pasture, it ought to be fed early, and to be 4½ lbs. at the rate of 50 tons per Scottish not be permitted to run up to seed; if for a lawn acre, or 39 tons 17 cwt. per English acre. Without the top, the root weighed 3 lbs. 10 oz. at the It may be sown in the spring or fall. The lot rate of 423 tons per Scottish acre, ar 393 tons per I referred to, was sown in September, after the English acre.—This crop is therefore one fourth

HORTICULTURE.

ON THE CULTURE OF THE VINE LINE COUNTY.

Potter's-Landing, Feb. 10th, 1825.

To the Editor of the American Farmer.

each determined to plant a small Vineyard this spring, say an acre of land each. We have several treaties on planting, pruning, &c. mostly I think it a native; and to look into their own through your paper. We are in doubt as to the vicinity, when the native grapes ripen and to culproper distance to set the vine apart; can you, tivate the best of them, for it is not the best apthrough your paper, suggest the most approved ples for eating that makes the best cider, and so distance? We have collected several kinds of it is with grapes, those best for the table generalgrapes, a list of which I enclose you; can you say ly make an insipid wine, the Miller-Burgundy exwhat kinds are the most approved of for wine? cepted, as from it I have made a very line wine. If you can suggest any other kinds that are well I have no doubt on my own mind, that those who

I am your humble servant,

WM. POTTER.

Black Muscadine, White Muscadine, White Tokay, White Constantia, Black Constantia, Purple Constantia, Grape,

Jersey, or Guernsey, Red Hamburgh, Black Hamburgh, Red Frontignac, Burgundy, Madeira, or Malaga, Small black Cluster, White Sweet Water, Staunton, or Caroline, Schuylkill.

[Having no information, on the subject of the above letter, except what has been given in the

American Farmer, the Editor referred the enquiries of Col. Potter to Major Adlum, to whose politeness he is indebted for the following re-

Vineyard near George-Town, (D. C.) }
Feb. 23d, 1825.

To the Editor of the American Farmer.

Dear Sir,-I return you the enclosures of Gen. Wm. Potter, and the following is my reply:-If foreign vines are planted the rows ought to be ten feet apart, and the plants to be five feet distant in the rows. If native grape vines are planted the rows ought to be twelve feet apart, and the vines six feet distant in the rows. I have planted them closer but found the grapes did not ripen well, which was the cause of my adopting the above mode, and they ought to be trained as high as convenient, for the further from the ground the richer and finer the clusters; but the fewer foreign vines in the vineyard the better. The Susquehannah grape I do not know by that name, without it is an uncommonly large Fox grape.— The Red Frontignac I have, but it is a very bad bearer and very few of them ripen. What is called the Black Constantia in the above list, I presume is what is called at Philadelphia and other places, the Cape of Good Hope grape, and if it is, it is a native grape, which I call Clifton's Constantia; and the small Black Cluster, I presume is what is called the Munier, or Miller-Burgundy. The white Sweet Water and the Munier, are the most common grape in the gardens of our country, the one called the White, the other the Blue English Grape. I have several of the other kinds mentioned in the list which I hought of Mr. Wm. Prince last year, but I do not expect any of them to bear fruit until next year; therefore I know nothing of them except what is said in books. I had a considerable number of foreign grape vines, but I had them grubbed up before I began to sell the cuttings, and in future I shall only keep a few to supply those who live in towns with grapes for the table.

My advice to all persons who wish to plant vineyards, is to plant none but such as are certain and good bearers, viz: the Catawba, Schuylkill Sir,-One of my neighbours and myself have Muscadell, Clifton's Constantia, or Cape of Good approved of for wine, that are not contained in plant foreign grape vines with an intention to the list above mentioned, you will do me a favor. make wine, will find themselves totally disap-Has there been any satisfactory report had pointed, as all persons have who have tried them from the Vineyards planted at or near the Mo-in this country, and it is the cause that vineyards are not as common as orchards, and that we have not been exporting thousands of pipes and hogsheads of wine annually. I also advise those who have foreign scientifical books, to put them out of sight, or perhaps it is better to throw them into the fire at once, and then they cannot disappoint themselves by referring to them, except McCulloch on making domestic wines, which is the only work I have seen worth attending toand as to cultivating the grapes with the use of a little common sense, an American will raise a bushel of grapes where a foreigner will not have a gallon.-At least all the foreigners I have seen cultivating the grape will be in that proportion.

Yours, respectfully,

JOHN ADLUM.

Domestic Economy.

ON THE STRUCTURE OF CARRIAGE

(To the Editor of the American Farmer.)

Sir,-An enquirer in your last number, wishes notice of the Postmaster of Baltimore. to know the reason why the axletrees of carriages are sloped from the shoulders to the ends, on the upper and hinder sides, and not on the lower and front parts; and observes that he has "often talked to workmen on the subject, but never could obtain any reasonable or satisfactory justification of their practice; only that they were sure that it was right, &c." The wheels are certainly nearer to each other at the lower and fore parts, than at the upper and hinder parts. The age 655 feet-Distance 506 miles. great advantage of this form of the axletree is, that the wheels have a constant tendency towards the shoulders, so much so, that a carriage well Newtown, Seneca Lake, to Lake Erie-lockhung, will run without linchpins until some obstruction forces the wheel outwards. The weight struction forces the wheel outwards. The weight No. 3.—Philadelphia, by Schuylkill, Harrisbears most on the strongest part of the axletree, burg, Wilkesbarre, Seneca Lake, to Lake Erie by the wheels being nearer at bottom than at top; the under spokes are nearly perpendicular, and the under spokes are nearly perpendicular, and of course can better sustain the weight, and are barre, Seneca Lake, to Lake Eric-lockage by less liable to work loose, in the nave, than in an the upper tunnel 3266, by the lower do. 2700 feet oblique position.

The great object of your Society, is to obtain practical knowledge, and although those work-river and Cumberland, to Lake Erie-lockage men with whom your enquirer "talked on the 4833 feet-Distance 559 miles. subject, could never give him any reasonable or satisfactory justification of their practice," yet I Juniata to Alleghany, and thence to Lake Erie. will venture to say, that the universal practice of (The Alleghany is estimated by Darby at 2500 builders of carriages of all kinds, is more to be feet above tide; Lake Erie is 565)—the total relied on than the theory of Ferguson.

Feb. 14, 1825.

A FARMER.

0 HORSE SAW-MILL.

To the Editor of the American Farmer.

much pleased with a horse saw-mill in Philadel- York: when this section is completed, there will phia, used for sawing the timber composing the arks, which bring down the Lehigh coal. He distance of 278 miles to be made. seemed to think, that if a small pair of burr stones could be connected with it (of the possibility of mit of the Alleghany is allowed for. so doing he had no doubt) it would become a most valuable machine on our plantations. Here permit me to ask your insertion of a request, that MISCELLANEOUS ITEMS, FROM LATE ENG-Mr. Elliot, who makes them, would furnish the American Farmer with a specification of his sawmill, and grist mill in addition; and to add, that I do so in consequence of gentlemen asking me to obtain information on the subject, to whom I gave the above named individual account of it-as IRON RAIL ROADS, AND THE STEAM well as my conviction, that if known here, they would (I am almost tempted to say) become general.

AMPHICON.

S. Carolina, Feb. 8, 1825.

THE SILK WORM.

and with that view, has written to the Editor of rate of 400 miles a day, with all the ease we now the American Farmer, to procure him a few hundred of the eggs of the silk worm. For the bet-ance of sea sickness, or the danger of being burn-root unhurt, (the leaves were afterwards collectter accomplishment we submit the following ex- ed or drowned. It is impossible to anticipate the ed and carted home for cows and pigs.) If either tract from his letter, and shall be much indebted effects of such an extraordinary facility of com-to any gentleman who will enable us to fulfil his munication, when generally introduced. From so well. The men then threw the roots on the

here being carefully folded with a little raw cotten than our grand-fathers took to travel to ploughing as deep as my plough could go, and ton between the folds, and wrapt up likewise in London and home again.—The Americans with twice in a place; and when I came to the centre, raw cotton, might be enclosed in the form of a their characteristic ardor for improvement, are letter and forwarded by mail. Any reasonable now collecting information about rail-ways, and down the central furrow, making it as deep and charge which may be made for them, will be re- locomotive machines in England. And to them wide as, by that process, I could effect. I then obcdient servant,

Internal Improvements.

relative to the improvement of the Susquehanna, cult; and that with the rapid and easy means of inrespectfully present the annexed statement to the

> ZAV. CIST, DAVID SCOTT EBENEZER BOWMAN, E. CAREY.

Wilksbarre, Feb. 14, 1825.

No. 1 .- New York, by her grand canal-lock-

No. 2.*—The National Route, from the mouth of the Susquehanna, by Harrisburg, Wilkesbarre, age 1593 feet-Distance 511 miles.

-lockage 2033 feet-Distance 559 miles.

Distance 436 miles.

No. 5.—From Washington City, by Potomac

No. 6.—From Philadelphia, by the Union canal, lockage would be 4410† feet, and the distance about 600 miles.

* Nearly 200 miles of this route, (including the Seneca Lake) may be considered as finished, and an application for a canal from Newtown to Sir,-A gentleman of this State saw, and was Seneca, is now before the Legislature of New be but 826 feet of lockage to overcome, and a

† That is, after a tunnel 440 feet below the sum-

AMERICAN FARMER.

From the Scotsman.

COACH.

practice will teach us many things respecting it, I should much doubt. of which theory leaves us ignorant. With the fa-

possible to keep so vast a territory as theirs united under one Government. But it is forgotten, that extent of the territory is a bar to political union, The Luzerne Committee of Correspondence, only as it renders communications slow and diffitercourse which the rail-way affords, New York, New Orleans, and Colombia river, though distant, respectively, from two thousand to three thousand miles, will be politically and morally nearer to one another than London and Edinburgh were a century ago. Free governments, in ancient times, were necessarily small, because they depend on union of sentiment, in the mass of the the post, the press, and the stage coach, have made it easier to unite twenty millions of men in a common cause, in our days, than it was to unite the fiftieth part of the number in the days of Philip of Macedon. And with the means of communication, we are likely soon to possess, we think, the one hundred and fifty millions who will inhabit North America, next century, will be more completely one fleofile, than the inhabitants of France or Britain at this day. It is pleasing indeed to think, that at the moment when the gigantic republicks of the new world are starting into existence, the inventive genius of man is creating new, moral, and mechanical powers to cement, and bind their vast and distant members together, and to give the human race the benefits of a more extended and perfect civilization. But we ought not to overlook the additional security, which an opulent and highly improved country will in future derive from the facility of its internal means of communication. Were a foreign enemy, for instance, to invade England, 500 steam wagons could convey 50,000 armed men in one day to the point assailed; and within one week, it would be easy by the same means, to collect two or three hundred thousand men to one spot, all quite fresh and fit for action.

From the Farmer's Journal. ON STORING MANGEL WURTZEL.

Surrey, Oct. 15, 1824.

Sir,-Not perceiving that any of your correspondents has given to your inquirer Mm. (in your Journal of Sept. 27) any answer as to the cheapest IISCELLANEOUS ITEMS, FROM LATE ENG- and best mode of storing mangel wurtzel, (your LISH PAPERS RECEIVED AT THE OFFICE OF THE correspondent in the Journal of the 11th inst. having only stated the proper mode of stacking it in yards, when carted home,) I take the liberty of detailing to you a mode which I have found cheap and effectual for storing a crop, grown at the distance of two miles from my homestead, in a light, mellow, sandy soil. Whether the When the steam coach is brought fully into use, same mode would equally succeed in a stiff clay,

In the month of November, I caused my mancilities for rapid motion, for which it will afford, gel wartzel roots to be drawn; the persons em-THE SILK WORM.

J. F. Dufour, Esq. of Vevay, Indiana, proposes to introduce there, the rearing of the Silk Worm, elling doubled. We shall then be carried at the one hand, and half in the other, and forcing their hands in opposite directions, tore off the leaves request:—
"The eggs are generally laid by the butterfly on paper, a piece of the paper to which they adon paper to which they are mitted by mail, together with the thanks of your these inventions will prove of inestimable value, employed persons to throw all the roots which obcdient servant, JOHN F. DUFOUR."

—Some persons doubt for instance, whether it is lay sufficiently near for a man to throw them,

furrow; and after that, I sent a person along the according to the will of Mrs. Joan Barnett, com- it is a proof that it is free from some of the perfurrow to dislose the roots smoothly and hori-monly called "the oatmeal woman." She left to nicious ingredients generally used by bakers in zontally therein. I then reversed the furrows on twenty poor widows of that parish, 40s. per anthe roots with a plough; again passing the plough num each for ever; 20s. for a sermon to be preachtwice in a place, ploughing the central furrows ed annually on the 4th of November; 20s. to the as deep as I possibly could, in order to raise the overseers of the parish for a treat, and one of ridge as high in the middle as possible, and ma- the dishes at the entertainment, in memory of king the furrows shallower at the two outsides, her, is always to be an oatmeal pudding; and half I then used a simple machine, a triangle, compo- a-crown to the clerk, and half-a-crown to the sexsed of three elm boards, of one inch thick, ten ton. two staples, to which I hung on the two chain measles at a time when this disease was epidemic. traces of one horse; and on each side of the apex The following is the formula which he prescribor point of the machine, were affixed two com- ed:-Take of sulphur, half an ounce; sugar, in mon plough handles, at a convenient distance! from each other, for a man to hold. One person day, half a tea-spoonful of the powder; and conled the horse, and another held the machine, which was made to pass first along one side of the ridge, and then to return along the other side; and by depressing the ontward end of the base of the triangle into the utermost furrow, and elevating the interior end, a sharp ridge of sandy soil was raised along the central line immediately over the roots, and a smooth and regular slope was formed, descending from the ridge to the lateral furrows. The first heavy storm that fell however, brought on shore with them his hat, beat down the sand to such a firm surface, as to throw off the bulk of the rain-water that afterwards fell on it to the exterior furrows; and when lane." I opened the ridges in March following, not a root was injured by the frost: but it ought to be remarked, that while I was engaged in burying the roots, a heavy storm came on; and I persevered in burying one or two rows of roots after they were thoroughly wet. These roots, when opened in spring, were alone, of all the crop, all opened in spring, were alone, of all the crop, all six to four on time, but it was a propitious day for of stock of 140,000 bags, of which 127,000 bags black and rotten; but those which were buried the undertaking. The stakes were 500 sove-are of United States cotton, and at the same time in dry weather, were almost every root sound It reigns, and the ground was to the 64 mile stone the consumption of this article has greatly inis therefore important to bury them in dry weather. I ought to add, that when I took them up, I ploughed back the furrows from the central ridge as deep as I could go, till the ploughshare came nearly in contact with the roots, and then I raised them with a three-pronged fork, and consumed them with sheep on the place of growth, as the occasions of my ewes and lambs required; and never saw I a better crop of oats, nor a more full and splendid plant of saintfoin under them, nor two finer crops of saintioin hay in the first succeeding summer, than those which on a thin 10 miles in 38 minutes 29 seconds, and he did it try are expected to be large, though probably not Surrey Down succeeded this treatment.

With the practice of stacking the roots in stall, and at home, the culture of mangel wurtzel must necessarily be confined to a very small space near the homestead: If a cheap and practicable plan of storing the roots at a distance from home be adopted, they may be grown on any part of any

hundreds.

I am, Sir, your obedient servant, A SURREY FARMER.

Brutality chastised .- The attention of the pasin dirty garbs, offending in the most outrageous manner, every female they met. A gentlemanlike young man remonstrated, when one of the ed. They are all likely to do well, noth withruffians struck him, and was immediately knock-standing the tigress will not suckle, nor suffer ed down by the gentleman, who was stated to be them to approach her. They are suckled by a when Mr. Finch hit him in the mouth, and drop-singular occurrence, has been pleased to signify ped him. The gentleman threw his coat into a his intention of seeing them. shop, and in three rounds completely punished the after the populace had done with him.

from the right and the left, into that trench or the parish church of St. Margaret, Westminster, and not incrusted with a white charky substance,

M. Fortual states, that all the children to whom powder, a dram; mix. Take, twice or thrice a tinue it during the prevalence of the epidemic .-Journal des Pratischen Heilkunde, &c .- (From the Medical Repository.)

Thursday night, a little after ten o'clock, a man threw himself off the centre arch of the Southwark Bridge. On the alarm being given, James Harrison, a waterman, with another person, immediately put off in a boat; but could not discover the body of the unfortunate man. They, which they found floating; in the inside of which was written, "J. Clayton, 5, Swan court, Gravel-

A Great Match .- Mr. Lipscomb, the equestrian, who last month rode eight horses 92 miles in four hours and a half, for 200 sovereigns, started at Hyde-park-corner, early on Saturday morning, the 6th instant, to go 90 miles in five hours upon eight horses. It was a heavy betting match, at on the Bath road, and 26 miles back, a mile on the London side Reading. The first horse went 12 miles in 38 minutes 14 seconds; the second horse did nine miles in 29 minutes 33 seconds; fifth, 13 miles in 41 minutes 57 seconds; sixth, eight miles in 28 minutes 14 seconds; seventh did 13 miles in 44 minutes 37 seconds; the last horse, and the fastest of the eight, had only to perform the seconds.

The value of the steam-engine to this country may be estimated from calculations which shew

our population 1,884,000 men.

been exhibiting at Windsor, during the whole of of a tiger, and the head and fore parts of a lion. Two of them are quite white, and the other strip-

To detect Adulteration in Bread .- The follow-

the adulteration of bread .- Medical Adviser.

The match between Lord Althorp and C. Hillyard, Esq. for the best and cleanest crop of ten acres of Swedish turnips, has been decided in lavour of Lord Aithorn's crop, on Northumberland ridges, at 29 inches asunder.

ton. cwt. lbs.

Weight per acre of Lord Althorn's

They were weighed without the roots and tops. Had the season been kind for the sowing, at the latter end of May, a greater weight would have been produced.

The Ship Columbus.—The following is an extract from the books of the Custom-house respecting the ship Columbus:—The Columbus, Quebec, W. Mackellar, 3690, Blackwall, Martin.

Gillespie & Co. 41 pieces oak timber, 3,253 ditto. pine ditto. 54,854 staves and headings, ditto. 30,261 deals, ditto. 5,082 ditto. Caldwell & Co. 56 pieces timber, Gillespie & Co. Part of the cargo was thrown out in the Gulf of St. Lawrence.

COMMERCIAL. - Liverpool, Jan. 7, 1825. In handing you my annual circular, I would beg leave particularly to call your attention to the important fact of the stock of Cotton remaining on hand in Great Britain at the close of 1824, being smaller than it has been at any period since the year 1817: in Liverpool alone, there is a total decrease of stock of 140,000 bags, of which 127,000 bags creased, being estimated at 11,660 bags per week, (as stated below) against 11,160 in 1823.

By the annexed table it will be seen, that the total import into Great Britain in 1824 has been the third horse went to Twyford, Berks, 13 miles 540,600 bags, against 668,400 in 1823, showing a in 41 minutes 27 seconds; the fourth horse per-idecrease of 127,800 bags: from the United States formed 12 miles in 37 minutes 29 seconds; the alone there has been a deficiency of 165,840, but on the other hand there has been an increase from the Brazils and from Egypt; from the latter this increase has been 28190 bags, and our supplies during the present year from that councleverly in 32 minutes, winning by six minutes and to the extent anticipated by many; at any rate it will require a much larger import from all parts, than from present appearances we are likely to receive, to make up the dehciency in the import that the steam-engines in England represent the of last year. From the beginning of the year unpower of 320,000 horses, which is equal to that til the month of June, Cotton varied but little in of 1,920,000 men; which being in fact managed price, but from that time until the end of Septemlight land farm, to the comfort and enriching of by 36,000 men only, add actually to the power of ber, it declined, even in the face of a continual diminution in the import, until early in October, Mr. Atkins's Menagerie of Wild Beasts has when, in consequence of reports of injury to the growing crops having been received, some specuthe last week. Three fine cubs, the progeny of lation took place, and these accounts having been a lion and tigress, have attracted some hundreds confirmed by every subsequent arrival, prices sengers was arrested in the Strand, near Sonth- of spectators, being the only instance of the kind have continued to improve, and the year closed ampton-street, on Wednesday, by two ruffians, that ever occurred. They have the hinder-parts with an advance on the Prices Current of the 1st October of 2d. per lb. on Uplands, 13d. on Orleans and Alabama, and from 1d. a 13d. on other descriptions. On the 1st of the present month the stock in this place was ascertained, and as it proved much lighter than was expected, an ima Mr. Finch. The other fellow rushed upon him, bitch. His Majesty, being apprised of the above mediate and animated demand commenced at an advance of &d., which has been followed up with a further improvement of 3d. on Uplands, Orleans, and Alabamas, making an advance in those ruffian for his barbarity, and lay on the ground ing simple experiment to ascertain whether bread descriptions of 12 per 16. within three days, and thoroughly beaten The other ruffian escaped be made of proper materials is within the reach the sales within that short time have been 22800 of every one: Heat a knife, and plunge it in the bags of all sorts: the demand continues good, and Thursday, the annual sermon was preached at loaf: if the blade, when drawn out, appear bright, the advance above stated is readily obtained.

From the above facts, it may reasonably be pre- for the superiority between the Short-horned and the consumption of each description of Cotton eided by the Judges. per week during the year 1824, viz:-

American, 7350 bs. p. wk. are 382200 bs. pr. arn. 148200 " Brazil, 2850 33280 " East India, 640 Other sorts,820 42640

11660 bags pr. week 606320 bs. pr. ann. R. F. Jenner, Esq. 1 1

Kentucky Leaf, 1684 do. Stemmed, and about 170 made by the Judges. of other sorts. The stock remaining on hand here is 9250 hhds. against 11000; in London, 14750 against 17000, and in the rest of the kingdom 5300 against 4100 in December, 1823: the import during the past year has fallen off considerably, having been 70000 hhds. against 95800 in 1823.

Ashes.-The import of American Ashes in 1824 has been 33500 barrels. The stock on hand is estimated at 730 barrels of United States Pots, and 1420 do. Pearls, and of 12970 Montreal Pots, and 4980 do. Pearls, being an increase of stock of about 1700 barrels over that at the close of the preceding year: the consumption has greatly increased, in consequence of the additional duty on Barrilla, having been 31900 barrels in 1824, which is more by 9000 barrels than were consumed the year before.

Bark .- The import of this article has been 2800 casks, and the stock consists of 1570 Philadelphia

and 890 casks of New-York.

Of Clover seed we have received 2500 casks and barrels, and of Flaxseed nearly 10,000 hhds. of the former, 900 casks remained on hand, and of the latter nearly 2000, including 1300 left over from last year.

The import of Flour has been very heavy, viz 83,750 barrels, of which nearly 40,000 remain, and of these not more than 12,500 barrels are sweet: there has not been much doing in this article of late, but none can be bought under my highest quotations, which are 8s. a 9s. lower than in Deeember, 1823.

od last year, and prices nearly the same.

during the past year, has been greater than at any former period; in Liverpool alone it has amounted to 102,000 harrels, and exceeds that of 1823 by 32,000, and in consequence prices have declined since April full 3s. per cwt.; the consumption has increased about 8500 barrels; but the stock on hand is so large (41,000 bbls. against 14,000 in 1823) that there is not much probability of any material improvement in price. Of the above stock, 8000 barrels are held on speculation, day in January, 1825. and the remainder is in the hands of importers.

The import of Tar from the United States has been 15,200 bbls, of which there are only 2000 remaining; we have not received any lately, and the first arrival will probably command full prices. I remain, respectfully, your obedient serv't, ARCHIBALD GRACIE, Jr.

SWEEPSTAKES and Subscriptions have already been entered into, to be decided at the Exhibition in December, 1824.

Subscription for defraying the travelling expences of Short-horned Cattle, exhibited at the Tredegar Show in December, 1824, contending

sumed that our present prices, which are fully 3d. Hereford breeds, travelling more than twenty per lb. higher than in September, will be main-miles, six-pence per mile for going and returning, tained. The following is a statement showing for the first, second, and third best Cattle, as de-

> Sir C. Morgan, £10 10 | S. Homfray Esq. £5 5 | J. Haffenden, Esq. 5 5 | J. Hutchinson, Esq. 2 2 C. H. Leigh, Esq. 55 Rev. H. Berry, Sir H. C. Ibbotson, H. M. Chadwick, Esq. Bart. R. Lascelles, Esq. 3 3 | Chas. Hanbury Tra-5 5 eey, Esq.

SWEEPSTAKES of Ten Guineas each, for the The sales of Tobacco last month in Liverpool best yearling Heifer of any breed, the property have been 930 hhds, and those of the year 9640, of the subscribers; the age to be particularly viz. 3380 Virginia Leaf, 3825 do. Stemmed, 585 specified, in order that every allowance may be

Sir C. Morgan, Esq. | Mr. C. Champion, Orth, | Mr. J. White. C. MORGAN, Esq. Mr. J. YARWORTH,

tager,) for the best couple of Turkies, Geese, Ducks, or Fowls. One Guinea to the Person hav-students. ng the greatest number of Hives of Bees, in 1824. Certificate to be produced.

Tredegar, Jan. 13, 1824.



FROM A PHILADELPHIA PAPER.

Philadelphia Market .- There was a glorious show of fat beef, fat pork, and fat mutton, in the High-Street Market on Saturday. Take the following by way of specimens.

A Heifer, 5 years old, fed by Barney. Net Beef 1678 lbs. This is said to be more net beef than was ever before obtained from a heifer of

this age.

A Steer, 4 years old last month, Bakewell breed,

fed by Barney. Net Beef 1397 lbs.

A 7 years old Steer. Teeswater breed, fed by Lowry. Net beef 1302 lbs.

A Steer, Pennsylvania breed, fed by Lowry.-Net beef, 1730 lbs.

The heifer and first steer above mentioned, The supply of Rice in 1824 from America were bred by General Ridgely, of Hampton, and has been 13,500 casks against 12,000 in the prece- are said to be of Bakewell and Dutch breed mixding year; but the stock, notwithstanding this in- ed. We have seen three ribs of the heifer, which, crease, is less by 400 casks than at the same peri-viewed in connexion with her extraordinary net weight, go to prove her to have been one of the The import of Turpentine into Great Britain finest animals ever bred in any country.]

Ed. Am. Far.



PUBLISHED IN THE AMERICAN FARMER BY ORDER OF THE STATE.

A report of the tobacco inspected at and delivered from Pig Point Inspection Warehouse, during the quarter commencing on the first Monday in October, 1824; ending on the first Mon- No. 9, German-lane.

		Domestic - growth.	Growth not of this state.	Re-in- spected.	Total
	Number in- spected.	50			50
,	Number de- livered.	118			118

GASSAWAY PINDELL, Inspector.

TREASURY OFFICE, ANNAPOLIS, Feb. 8, 1825. True Copy from the original report on file in this office.

B. HARWOOD, Tr. W. S. Md.

THE FARMER.

BALTIMORE, FRIDAY, MARCH 4, 1825.

PRICES OF COUNTRY PRODUCE.

2 2 Flour, from the wagons, \$475—Susquehannah 2 2 do. \$4.62\(\frac{1}{2}\)—White Wheat, 95 to \$1.05—Red do. 90 to 95—Corn, white, 32 cents—Yellow, do. 35 to 373 ets.—Hay, per ton, \$8—Corn Beef, 7 cts.— Mutton, 8 cents-Beef, prime pieces, 8 to 10 ets. —Hams, 10 to 12 cents—Middlings, 8 to 10 cts.— Butter, 20 to 25 cents—Cheese, 8 to 10 cents.

No sales of Tobacco since our last report.

Clermont Academy.

This Institution is three miles north of Philadelphia, in a situation justly considered pleasant and healthy. The house is large—built expressy for a Boarding School, and well calculated for Half a Guinea to the Proprietor, (being a Cot- the convenience and comfort of a large family, with spacious grounds for the recreation of the

Pupils, without any positive restriction as to age, are received into the family as boarders, and Every accommodation given to Cattle sent for carefully instructed in the different branches of exhibition. Certificates of the ages to be sent with the Cattle.

All Cattle sent for exhibition should be accustomed to be tied up.

English and Classical Learning. The English department comprising Spelling, Reading, Writing, Arithmetic, Geography, the use of the Globes, Grammar, Algebra, Geometry, Mensuration and Cattle sent for exhibition should be accustomed to be tied up. ration, Surveying, Navigation, Book-keeping, Natural History, Ancient and Modern History, &c. is under the particular care of the subscriber, and the Greek and Latin languages are taught by a well qualified teacher. The pupils are also instructed by Lectures and Experiments in the most useful parts of Chemistry and Natural Philoso-

TERMS.—For Boarding, Washing, Mending, &c. and Tuition, in any of the branches except the Languages, per annum, payable quarterly, one

hundred and forty dollars.

Five dollars a quarter in addition for the Greek or Latin. Books, Instruments, &c. furnished at eustomary prices.

DAVID GRISCOM.

Richard Weaver,

VETERINARY SURGEON, respectfully informs his friends and the public in general, that he has commenced practising in the above profession; assuring them that all animals intrusted to him will be attended to with all possible atten-tion and care. He flatters himself, with the practice that he has had in London and different parts of Europe, to have a share of public patronage.

R. W. by means of his surgical system, castrates horses in a manner which has been allowed to be the easiest and safest ever acted on horses-in training may take their regular exercise in three days after the operation is performed, which is a strong proof of the excellence of this method over any other now in practice.

He may be consulted at all hours in the day at

CONTENTS OF THIS NUMBER.

Important experiments made under the direction of the Secretary at War, to determine to proper rules for ascertaining the draught of Ploughs, and the relative merits of six celebrated Ploughs-Experiments to ascertain the comparacelebrated Ploughs—Experiments to ascertain the comparative advantages of preparing and using by various processes, and in different forms, several kinds of grain, &c. for food for hogs, cattle, &c.—To the Mannfacturers and Mechanics of the United States—On the culture of the Vine in Maryland; experiments making in Caroline County—On the structure of Carriage Wheels—Horse Saw Mill—The Silk Worm—Miscellaneous Items from late English papers received at the office of the American Farmer—Internal Improvement—Fat Beef in the Philadelphia market—Prices provement-Fat Beef in the Philadelphia market-Prices Current-Advertisements, &c.

AGRICULTURE.

PREMIUMS—offered by the Maryland Agricultural Society, to be distributed at the Annual Exhibition to be held at the Maryland Tavern, in June, 1826.

A List of the Premiums to be distributed at the exhibition in June next—that is, June, 1825, will be found in number 47, page 371, of the Farmer, of the 11th of last month.* It will be observed, that those premiums are chiefly for domestic animals and for household manufactures, and some other objects and things for which preparation may be made prior to June next; but, as crops cannot be gathered before that time, the premiums for them will not be distributed until June of 1826. It will be understood then, distinctly, that premiums similar to those which have been offered for distribution in next June, are also offered for June, 1826. In addition to which, the Trustees offer the following for distribution in June, 1826, relating, chiefly, to FARMS and addressed to Col. Thomas Forster, was handed CROPS, to wit:-

For the Farm of not less than 100 acres, which shall appear to have been cultivated with the greatest economy and nett profit, consistently with its permanent improvement, reference being had to its natural advantages as to soil, situation, &c. a premium of

For the second best do. particulars as above, 30 CROPS.

For the best 20 contiguous acres of wheat, to be not less than 30 bushels per acre, For the best 20 contiguous acres of Indian corn, yield not less than 60 do.

For the best 20 do. rye, not less than 35 bush-

For the best 10 do. hay of timothy, clover, rye, or orchard grass, or any of the above mixed; weight to be ascertained at least one month after cutting

For the best 10 do. wheat, yield not less than

30 bushels per acre, For the best 10 do. Indian corn, yield not less than 60 bushels per acre,

For the best 10 do. rye, as above, yield not less than 35 do.

For the best 5 do. hay, as above, 10 For the best crop of tobacco, not less than five hogsheads, highest price,

For the second best, do. do. To the person who shall raise the greatest quan-

tity of seed cotton within this State, For the best acre of potatoes, not less than 250

For the best acre of carrots, not less than 400 bushels per acre,

For the best acre of mangel wurtzel, not less than 800 bushels per acre,

For the best acre of ruta baga, not less than

To the proprietor of the apple orchard, consisting of not less than 200 trees, who shall evince the most judicious management,

For the most successful experiment in waterrotting, or otherwise preparing flax or hemp; the quantity to be not less than 50 lbs. the whole process to be stated,

*The premium offered for best grass fed bullock in June next, was inserted by mistake. It had been proposed for October, but the time being altered the object is unsuitable, and is to be considered as erased from the list .- Editor. 0

Philadelphia, March 3d, 1824.

To the Editor of the American Farmer.

Dear Sir, -I send you herewith, evidence of the produce of a given number of acres of land, Vol. 6.—51.

in wheat and corn, in Erie Co. Pennsylvania.— The product in corn is good, if it is not great, and that in wheat is unquestionably very extraordinary.-So much, in my opinion, that when I received the certificate thereof, I deemed it proper to write to a friend who resides in Erie Co. requesting him to procure, and transmit me pre-PEACH TREES AND DRYING OF FRUITS. cise information, as to the kind of soil upon which JOHN HARE POWEL, Esq. Corresponding Secreit was grown; the length of time the land had been cleared, and under cultivation; how cultivated, and in what, immediately previous to its being seeded down in wheat, &c. The desired information has been cheerfully communicated, and I now put you in possession of the facts, to be used as you may think proper, and will only add, that the parties are personally known to me, and I believe their declarations entitled to the fullest confidence.

> Very respectfully yours, C. IRVINE.

Sir,-Your'letter of the 30th December last, me some time since, with a request that I would reply to it, which I have not been able to do until the present time. I have made particular inquiry of Mr. C. J. Reed, respecting his field of wheat harvested in 1823; the result is as follows: The land was originally covered with oak, chesnut, sugar maple, black walnut. &c. was cleared in 1797, has been improved ever since; the soil, a mixture of slaty gravel with loam, resting on a bed of clay; in 1818, 19, 20, and 21, in clover; in March, 1822, ploughed, about the 1st April sowed with peas; after the crop of peas was taken off, 200 loads good stable manure, with cart and four oxen, hauled on to the field, the whole containing about three acres; ploughed it about the 15th August 7 inches deep, inclusive of the manure, lay about one week, then harrowed with a heavy harrow, and about the 6th Sept, sowed 2½ bushels per acre, and ploughed it with a light plough and harrowed; the two acres were accurately measur.
Maj. D. McNair.

Very respectfully, rately measured off by an experienced surveyor,

Your obedient servant, GILES SANFÓRD.

Gen. C. Irvine. Frie, 12th Feb. 1825.

These certify, that premiums were awarded by the Eric County Agricultural Society, at the fair from the root, search for and kill the worm, and in Eric, on the 13th Nov. 1823, for the following then re-place the sand as before. In a few years, of Mill Creek township, for the best two acres ed; these are replaced from the nursery at an ex-Reed, of Mill Creek township, for the best acre of corn, 105 28-32 bushels.—To Rufus J. Reed, of Erie, for the second best acre of corn, 90 bushels. have secured to us a constant succession of the 10 for the best acre winter barley, 45 bushels.—

Extract from the minutes, GILES SANFORD, Secretary.

Erie, 7th Dec. 1824.

I certify, that I raised on a field, containing about fifteen perches less than three acres, three hundred eleven bushels and a half good sound corn, the present season, on my farm in Mill Creek township, Erie county, Pennsylvania.

CHARLES J. REED.

Erie, 8th Dec. 1824.

This may certify, that I raised on one acre of land, 1124 bushele good sound corn, on my farm strips of wood similar to common plastering lath; in Harbour Creek township, Erie county, the in these drawers were placed the peaches cut in present year.

JOHN SHADDUCK.

Erie, 7th Dec. 1824,

HORTICULTURE.

FOR THE AMERICAN FARMER.

ON THE CULTIVATION OF

tary of Pennsylvania Agricultural Society.

Sir,-Of the various modes prescribed for preserving the Peach Tree from the ruinous depredation of insects, there is, I believe, none so effectual as that of surrounding the body of the tree, for several inches above the rout, with either straw, tobacco, raw hide, or some other substance, that will prevent the fly from depositing its egg in the situation most favourable to its developement, which is the trunk just at the surface of the ground. One of my neighbours, an intelligent and ingenious horticulturist, uses sand as a protection, and has succeeded completely in preserving his trees in fine order: over the young ones, he drew tubes made of pieces of an old tin waterspout, eight or nine inches in length, sticking the lower edge in the ground and filled it up round the body of the tree with dry sand. When they have been innoculated and begin to form a head, this inclosure is to be exchanged for a larger one, made of pieces of boards six or seven inches square, separated at the two opposite angles, so as to be readily nailed together when placed around the tree .-These boxes are filled the latter part of June before the insect attains the fly state; and every autumn after it has disappeared, they should be raised and the sand withdrawn from them, which will expose any insects that may chance to be there. This method then may be confidently recommended; but for extensive cultivation it is too troublesome. The experience of the New-Jersey farmers, who supply our market so profusely, has taugnt them nearly the same plan; they plant the peach trees in what they call a truck patch, in which they raise a succession of vegetables for market, and it is constantly under tillage; in the spring of the year they carefully ridge up the sand as high as can be done with the plough, and in the autumn by throwing a furrow from them they again reduce it to its ordinary level. If during the summer by the appearance of gum around the stem, or other indications with which they are perfectly familiar, they suspect pense of 10 or 12 cents, by a young tree of the most valuable varieties, that will become bearing To David McNair, of Mill Creek township, maye secured to do a constant Care should be to preserve a portion of these for winter use, by drying them in the most perfect manner, and a reform in this particular is much wanted; those dried in a kiln are very liable to be burned, and exposed to the open air they become injured by dust, rain, and insects; the neatest, most economical, and efficient mode I have heard of, is adopted by an enterprising farmer on the seacoast of Jersey, but who soon lost his peach trees from their proximity to the ocean; he built of very rough materials a small house, inclosing a common stove, surrounded by shallow drawers opening on the outside of the building; the bottoms of these drawers were composed of narrow half, the stones taken out, with the skin downwards; by means of a moderate fire in the stove, the fruit was gradually and effectually cured—it

should render it necessary, a little fire in the frost. But if the object be to preserve your trees, stove would disperse the moisture: these dried they should never be pruned, in this climate, better they should never be pruned, in this climate, better they should never be pruned, in this climate, better they should never be pruned, in this climate, better never to peaches were of a very superior quality, and I have a never to be the never to be the never to be pruned in the prince of the never to be pruned in the never to be the never to be pruned in the never to be never to be pruned in the never to be nev have no doubt if this plan were adopted by those prune them till May. An apple tree pruned in the middle of March—one in April—one in May who have extensive orchards, they would comthe early part or even the middle of May, will one in the middle of June. If the cuts are mand a ready sale and good price. The mode cover its wound, if it be not too large, without of equal size, the one cut in June will be covered adopted in France of preparing dried preserves, injury to the tree, the first season; whereas, if first with the new alburnum. The cut must not if practised here would be likely to well repay pruned in March, the wood will have been frost-any individual that would undertake it; it is sim-ed, and incipient decay will have taken place be-neither case; and to try the experiment fairly, ply to make a syrup with 1 lb. of sugar to 3 quarts fore the wound is protected by the mild season, the cut ought to be 4 to 5 inches long, and 2 to 3 of water, in which the fruit must boil a few minutes, after having been previously pared; they to keep out the water. The writer on this subnutes, after having been previously pared; they must then be drained on broad dishes, laying singly; after the bread is taken out of the oven the fruit may be put in and left till it is cold; these, when sulficiently dried, packed up in neat little boxes, would supply a domestic article for our tables, in place of the foreign luxuries of figs, prunes, raisins, &c.; rescue our valuable fruit from the distillery; add to our stock of innecent and vigour of its roots. And these are vigorous in understand how the ascent of the sap, when it was flow-stopped the industrious.

REUBEN HAINES.

Germantown, 7th mo. 26th, 1823.



FROM THE NEW-ENGLAND FARMER.

PRUNING TREES.

Norfolk County, Feb. 11, 1825.

observe an article on the first page, relating to the sap, which may be dispersed into three, six, down, you check the upward course of the sap, "Pruning of Fruit Trees." The author begins or twenty branches; if the greater number be until it finds vent through the tender bark which by saying that he believes it injurious to trim them allowed to grow and increase by their laterals, remains on the body or stem of the tree, and much at any season. It seems that ten years ago they will be proportionably feeble; if a portion forms new boughs or shoots; but you do not preyour correspondent bought a farm with a large of them be suppressed, the remaining ones, read thrifty orchard, and, thinking to improve it, ceiving all the sap that is furnished through the lower branches, and gaving the upper dry. It is he began with what he calls "a very abundant roots, will grow proportionably stronger; if so triuming," which he finds, after ten years' ob servation, was injurious to his trees, as his neighbour had predicted it would be. Hence the written deems it improves to prove a contract when the same are the sam ter deems it improper to prune, except where the tree, and false branches or suckers will be branches, so as to consume it, the bark of the branches interfere, &c. He then goes on to say thrown out at the most tender issues. The contree is forced off and decays, owing to the fer--"but if you trim, let it be in March or April, sequences are, in the first place, confusion in the mentation which takes place, or perhaps from agreeable to immemorial custom." The author disposition of the branches;—and in the second the too rapid formation of the new alburnum. infers, that trimming or pruning trees in summer place, you retard the fructification of the tree. Injures them, and instances some oaks, the lower The object, therefore of the pruner should be to be be be be be belowed. The object, therefore of the pruner should be to be be be be be belowed. limbs of which were cut off in June, which he leave as many natural or fruit bearing branches, tice the seasons or the manner, which I esteem thinks produces a predisposition to rot,—as he in their proper positions, as the roots can noursays cutting off the limbs stops the ascent of the ish abundantly, without overcharging them; by sap, and makes it lie stagnant in the body of the which means you get a plentiful supply of good quire a different treatment. tree, &c. and causes rot.

does;—but I own some trees, and occasionally at-tend to their cultivation. From his observations The idea of t I am led to think that the writer has not expressed himseif with sufficient clearness on the sub ject, or that he has not attended much to the physiology of plants. I am induced to make these hard, and thereby preserve the tree from decay, remarks, because I have long seen with regret is, I confess, a novel one. A dead limb is a dethe errors which farmers in general run into, in cayed limb, and unless removed at once close to their system of pruning, and especially in the the body of the tree, or branch from whence it season generally adopted in this neighbourhood proceeds, will communicate its disease to the for this operation.

rations in February, as many do—but recommends should always he made on sound and healthy wood, March and April. I apprehend that different seasons of trees require to be pruned at different seasons of the year. Pear stocks will better bear pruning in February, than apple stocks will in March, because the wood of the latter is much principle in the part wounded. The reason why more susceptible to the effects of wet and frost most trees should not be pruned after the middle most rees should not be pruned after the middle than the former; the inices of the apple tree of Max is (as you very properly state in your Journal of the Massachusetts Society, there apples tree of Max is (as you very properly state in your Journal of the Massachusetts Society, there apples tree of Max is (as you very properly state in your Journal of the Massachusetts Society, there apples tree of Max is (as you very properly state in your Journal of the Massachusetts Society, there apples tree of Max is (as you very properly state in your Journal of the Massachusetts Society, there apples tree of Max is (as you very properly state in your Journal of the Massachusetts Society, there apples tree of Max is (as you very properly state in your Journal of the Massachusetts Society, there apples tree of Max is (as you very properly state in your Journal of the Massachusetts Society, there apples tree of Max is (as you very properly state in your Journal of the Massachusetts Society, there apples tree of Max is (as you very properly state in your Journal of the Massachusetts Society, there apples tree of the proper is the proper in the than the former; the juices of the apple tree of May is, (as you very properly state in your Journal of the Massachusetts Society, there ap-

from the distillery; add to our stock of innocent and vigour of its roots, and these are vigorous in understand how the ascent of the sap was stopped, indulgencies, and open a new source of profit to proportion to the quality of the soil from which unless there were so many limbs suppressed, that they are fed. Some soils will furnish abundance the remaining few could not take up the sap furof nutriment to a pear tree, while they will supply nished by the roots. The upright or vertical an apple tree with feeble nourishment; and dif-branches of a tree take a greater portion of the ferent sorts of pears acquire different degrees of sap than the lateral or horizontal branches do, nourishment from the same soil. This principle and, generally speaking, the upper branches are is well understood by scientific farmers, and leads the most vertical. So far therefore, from stopto a rotation of crops, &c.

Mr. Fessenden,—In your paper of this day, I es; its roots will furnish a certain quantity of handsome fruit; you keep your trees in good I am no farmer, Sir, and therefore cannot be health; the wounds made in pruning are easily

much as the superfluous ones will die, and become mother branch, from whence it springs. This The writer has not, to be sure, begun his ope-lidea is so far from being correct, that pruning

was then thrown in bulk into a small loft within are more acrid, and are much more easily brought note to this article) because the bark is then subthe same building, having an open work bottom into a state of fermentation than those of the ject to peal off, not that it does not heal as quick similar to the drawers; here they become fit for pear tree; hence arises the more rapid decay of the pearlier. The contrary of this is the the market; and if at any time damp weather the apple tree when exposed to moisture and fact, as any one may see who chooses to make the

a rotation of crops, &c.

ping the ascent of the sap, by cutting off the lower, and leaving the upper branches, I should is congenial to its growth, it will soon show the fact in the strength and vigour of its branch, there are no longer any lateral branches to divert it from its natural course. If you head a tree down, you cheek the upward course of the sap, vent the ascent of the sap by taking away the

As I have already extended this article much most suitable for pruning. Trees, which bear the stone fruits, as these trees are subject to gum, re-

I must now, Sir, ask your pardon for calling on your patience and indulgence, while you read supposed to know so much on this subject as the healed; and in place of a "slovenly" orchard, this long and tedious notice of your correspondant or of the piece on "Pruning Fruit Trees" your trees will always present a handsome and dent's remarks on the "Pruning of Fruit Trees;" but I consider it important that a work like yours, The idea of the author on "Pruning Fruit which contains so many excellent remarks and Trees," that by leaving more limbs than the roots can nourish, is a beneficial practice, inas tended to promote correct views of this most important science, as well as that of its twin sister

HORTICULTURE.

FROM THE NEW-ENGLAND FARMER. SOFT SOAP, UNDILUTED, AN EXCELLENT CLEANSER OF FRUIT TREES.

upon the subject of Peach Trees, mentioning their decline for some years past, and the various remedies employed by him for relieving their diseases, and preventing their decay. It does not appear that the peach trees in the neighbourhood of Boston, are subject to the same disorders; but unite convenience with economy, and which may screw and leather do for the end of it—A silver as the Society have thought proper to publish be used for cooking. Tastefulness of design, this paper for the benefit of their members, and other readers in their districts, it must be presumed that the subject of it was considered worthy of their attention, and that probably the peach for some time, of the quantity of coal it consumes, trees there, are also more or less affected by cas- and of the effect which it produces. ualties or distempers, which it was their desire to remove or prevent. Under this impression, I shall proceed to state an expedient which has been applied to the improvement of fruit trees in this country, and which may be equally serviceable in other portions of the country.

The peach trees here appear to be liable to the ced. same disasters and diseases which are described trees are also frequently affected, and sometimes suddenly decay, without discovering the causes of their decline. A gentleman of this neighbourhood some years ago, observing the situation of his trees, and having unsuccessfully used many applications, at length directed their trunks or bodies to be washed, and well rubbed with soft soap; and it is not easy to imagine the early change which appeared in their bark and foliage: the bark became smooth and glossy, and seemed sound and beautiful; and he thought the tree was greatly improved in every respect. I have tried to apple trees, pear trees, and peach trees, and am persuaded they have been greatly benefitted by this process; it is used in the spring, and may be repeated in following years as frequently as the trees appear to require it.

Mr. Peters declares that he used soap suds without any beneficial effects; but it is probable that the soft sout in substance is more powerful, and, that having more strength and virtue than the suds as commonly made, it may more effectually destroy the worms, bugs, and other insects that the bark and branches are enabled to derive so much improvement from the application of intelligible to common workmen. this substance.

I am about to suggest this expedient to Mr. Peters; if you think it may merit the consideration of your Society, you are at liberty to place this communication before them.
Yours, &c.

N. HAMMOND.

Domestic Manufactures.

PREMIUMS OFFERED BY THE FRANK-LIN INSTITUTE, AT PHILADELPHIA.

(Concluded from our last.)

- 51. To the person who shall have produced and silver medal. reeled, during the year ending Oct. 1, 1825, in Pennsylvania, the greatest quantity of raw silk, not less than ten pounds-A silver medal.
- of paper hangings prepared in the United States -A silver medal. In awarding this premium, regard will be had to the texture, design and glazing, and no premium granted unless the speci- dal. mens be equal to the best imported.
- rials-A silver medal. In awarding this premi-the best imported-A silver medal.

pears a letter, written by Richard Peters, Esq. jum, regard will be had to the merit of all the articles sent by the same maker.

- grate, for burning anthracite—A silver medal. The object of this premium is chiefly to obtain a though not a primary object, will be consulted as far as is compatible with economy. Certificates will be required of the grate's having been in use and of the effect which it produces.
- 55. To the inventor of the best constructed furnace, for consuming anthracite in generating not less than one cwt., and to give assurance to steam, to be applied to steam engines-A silver medal. Certificates will be required of the fur- exceeding twenty tons, of the same quality, and nace having been in use some time, of the quantity of coal consumed, and of the effect produ-
- by Mr. Peters, and they often wither and decay in Pennsylvania, the greatest quantity of iron in the same manner. Pear trees and other fruit from the ore, using no other fuel but anthracite, during the year ending September 1st, 1825; the
 - in Pennsylvania, the greatest quantity of iron from price-A silver medal. the ore, using no other fuel but the bituminous coal, (or the coke obtained from it) during the mode of making machine cards than those now year ending September 1st, 1825. The quantity in use, or who shall discover a mode of making not to be less than one hundred tons-A gold them more durable-A silver medal.
- in Pennsylvania, during the year ending Septem- 1, 1825, the largest quantity of fire bricks, equal the same experiment, and with equal advantage ber 1st, 1825, the greatest quantity of iron pigs or castings, from the clay iron stone, or argilla-ceous carbonate of iron. (This is the ore which 72. To the person who shall invent and m is often found in the slate accompanying bituminous coal, and which, in several parts of Pennsylblue ore) - A gold medal.
- 59. To the author of the best treatise (whether manuscript or printed, subsequently to the 20th of October, 1824,) on the construction of water wheels. In appreciating the merits of such treatises, regard will be had to procuring the greatwhich so materially injure the trees; and it is be-lest effect with the water employed, and to freeing lieved to be in consequence of their destruction, the wheels from back water—A silver medal. It is important also that the descriptions should be twenty bolts-A silver medal.
 - 60. To the anthor of the best dissertation, (whether printed or manuscript) explaining the causes of accidents in steam boners, and the causes of avoiding them. The dissertation must stitute, a method better than any in use to proceed the contain more information than is now before the contain more information than is now before the effects of the dry rot. The process must be such applied on a large scale, without too niedal.
 - 61. To the author of the best treatise (whether
 - scale beam, capable of weighing at least twenty pounds; the beam made in the United States-A
 - screw, of wrought iron, for the purposes of clethiers, printers, bookbinders, &c. not less than der for calico printing-A silver medal. 52. To the manufacturer of the best specimen 2 5.8 inches in diameter, and of the usual length. variation at the lower end or pressing point .- ed-A silver medal. The box to be also of wrought iron-A silver me-
- 64. To the manufacturer in the United States, ty by sixty inches,)-A silver medal. 53. To the maker of the best specimen of cut- of the best specimen of writing paper, in imitalery made in Pennsylvania, from American mate tion of the Bath post-the paper to be equal to bottoms, suitable for stills or boilers, not less than

65. To the inventor of the most perfect stopcock, suitable for air-pumps, and intended to be 54. To the inventor of the best constructed placed in the course of a tube, so as to open or close the communication through it. The object of this premium is to obtain a stopcock that shall grate suitable for domestic purposes, which will answer as well for the middle of a tube as the medal.

66. For the best dissertation on the loss of nower caused by the conversion of an alternate into a rotatory motion, by means of the ordinary crank

-A silver medal.

67. To the maker of the best iron hoops, 5-8th of an inch wide; the requisite qualities to be smoothness and lightness. The maker to exhibit furnish any quantity that may be required, not at a price not exceeding \$8.75 per hundred-A silver medal.

68. To the person who shall have made in 56. To the person who shall have manufactured Pennsylvania, the best cast steel rollers, suitable for the purposes of silversmiths-A silver medul.

69. To the person who shall have made in the United States, within the last year, the greatest quantity not to be less than twenty tons—A gold number of hydrostatic presses, (the number not less than three,) and who shall furnish the Insti-57. To the person who shall have manufactured tute with an account of their power and of their

70. To the person who shall discover a cheaper

71. To the person who shall have made in 58. To the person who shall have manufactured Pennsylvania, during the year ending September in quality to the imported, and not exceeding in

72. To the person who shall invent and make known the best substitute for copper in the sheathing of ships; the invention to be better vania, is designated by the local appellation of than any at present known, and its merit to have been tested by experience-A silver medal.

73. To the person in the United States who shall have made the greatest quantity of chain cables or ship chain rigging, not less than five tons-A silver medal.

74. To the person who shall have made in Pennsylvania, the greatest quantity of sail cloth, either of cotton, flax or hemp; the quantity not less than

75. To the person in the United States who shall have invented an apparatus practically superior to any now in use for heaving up a ship's

anchor-A silver medal.

great an expense-A silver medal,

manuscript or printed, since the 20th October, Pennsylvania, the greatest quantity of oil from 1824,) on dying cloths—A silver medal.

The oil must 77. To the person who shall have made in be of a quality suitable to be used as a substitute for Florence or olive oil; the quantity obtained

not to be less than twenty gallons—A silver medal.
78. To the maker of the best mechanics' edge 63. To the maker of the best mill or press tool made in Pennsylvania-A silver medal.

79. To the maker of the best cast brass cylin-

80. To the maker of the best specimen of sheet It must perform its revolutions in the box without brass; not less than twenty sheets must be exhibit-

> 81. To the maker of the best brazier's copper, not less than twenty sheets to be exhibited, (thir-

82. To the maker of the best raised copper thirty inches in diameter-A silver medal.

adjudged superior in principle to any now in use-A silver medal

On behalf of the Institute,

JAMES RONALDSON, Committee on THOMAS FLETCHER, Premiums ADAM RAMAGE, WM. H. KEATING, SAMUEL V. MERRICK Exhibitions. Philadelphia, Jan. 15, 1825.

and

83. To the maker of a hydrant that shall be and suffers less waste than when the common method is used. The machine now constructed, is only of half the intended size; but is able, with the work of a man and a boy, to break about 400 pounds in a day. The inventor is satisfied that one of full power, and with the same labour, would dress 1000 to 1300 pounds in that time.

The bleaching is effected by another process, and still without resorting to acids or corrosives; and this is prepared for manufacturing

A machine of half size cost about \$120, and canvass for sails, as well as every other fabric prepared and manufactured in this manner, will be found much more durable than any other.

From this description it will be seen, that Mr. Roumage's invention promises a most important advantage to agriculture and manufactures, if he should be as successful as he expects, he will have accomplished what has long been consider-

Domestic Economy.

[PREPARATION OF FLAX.—Some superb specimens of flax were exhibited at our last Agricultural Exhibition, in regard to which, from having mislaid the papers, it was not then practicable to give the requisite information. They came to the Editor of this paper, as it now appears, with the following letter from that spirited America. and intelligent manufacturer, Mr. John Travers, of Paterson, New-Jersey, whose volunteer premium of a silver goblet, heretofore and still offer-The specimens of flax here referred to, were

beautiful beyond anything heretofore seen by us, beautiful beyond any thing heretofore seen by us. We have since examined 12 or 14 specimens of and excited the admiration of all who examined the property of them at the late exhibition in the Rotunda of the Capitol of the Union. They have been committed to the hands of a leading member of Congress from Kentucky, for exhibition in that state, along with the following items of information in

they were prepared.]-Ed. Am. Far.

of Flax, prepared in different ways .- It is not parts of the country, where the subject to which rotted, but taken from the field and broken by Rou-they relate, may be considered important. mage's machine. I spun some tow and flax, and wove a bolt of duck; a sample of the yarn and

duck unbleached also accompany this.

I am persuaded this machine may be made to answer the purpose, and it is the only one I ever yet indulged even a distant hope of succeeding.— The tow and flax both spin as well as the Irish rotted flax and tow, and there is not more waste. You will, I think, be pleased with the bleached flax and tow; and indeed the whole of the samples exhibit the flax in its various preparations in the greatest perfection. Mr. Colt will exhibit at your Fair, a bolt of his cotton duck, which you will find on examination, far superior to any other that you may have seen."

In addition to the above, the following papers Editor.

Extract from the New-York Advertiser, Saturday, September 18th, 1824.

has invented a machine for dressing flax, which cess intended to extract the glutinous matter, to the air. which he says is effected in twenty hours, with by observing these rules, the flax will be found the week, will provide meal for a family of forty out the use of any acid or corrosive substance, to have the strongest and longest fibre, and the persons; and the cost of the mill, building, and and leaves it in a state fit for the hackle.

Flax dressed in this manner is much stronger, small recommendation.

CULTIVATION OF FLAX.

It will be recollected that we sometime since ed, for the best acre of flax made in Maryland, took notice of a Flax Machine, invented by Mr. Roumage, together with his new process of bleaching, &c. (See the Daily Advertiser of Sept. 18th.) rotting, or the use of any acid, or corrosive substance whatever, in the different stages of preparation. The fibre was remarkably long, firm, and beautiful, and the colours it had received from into effective operation, by a horse power, with various dyes very rich and various. These spears much advantage, all circumstances considered, relation to the machine and process by which cimens were exhibited at the fair in New York, tended for that species of manufacture. Extract of a letter to J. S. Skinner, Correspond-Roumage has given us the following brief hints must be applied. Roumage has given us the following brief hints on the best mode of cultivating flax, which we son, 22d Nov. 1824.

Roumage has given us the following brief hints on the best mode of cultivating flax, which we are induced to publish, by the hope that they on a small scale is, that its movements are unmay prove useful, and we wish they may find an "My friend, Mr. Craig, will send you a bundle extensive circulation through other papers in all

burnt, and the ashes will be found a valuable manure, well calculated to prepare it for being worked in the spring, as well as a rich abundant crop.

Throughout a great part of Italy, particularly in the vicinity of Bologna, where great quantities of flax and hemp are raised, the shavings of horn are used with great advantage as a manure, mills is, that the horses move in too narrow a cir-

they are placed for four or five months.

In sowing flax, three quarters of a bushel of seed is sufficient for an acre of good land; and a ameter. Twenty four feet is little enough, but bushel for a poorer soil. Thin sowing increases 30 is much better, and doubtless 36 is preferable the number of stems, but yields but little tow; have been recently placed in the hands of the and their sowing makes the stems run to wood; so that each extreme is to be alike avoided. After harrowing, the seed must be sown as uniformly as possible, and then passed lightly with a harrow, or brushed in, but should not be covered effect of an ill judged parsimony. What are the "FLAX MACHINE .-- Mr. T. L. F. Roumage more than an inch, or an inch and a half deep.

is intended to be worked either by man, horse, inches, it should be carefully weeded; and when the proper place for it. That must be determinwater, or steam power, and is expected to operate with great dispatch, as well as perfection. The it. This operation is performed in Ireland, as soon as the blossoms fall off. It should then be should be consulted, to wit, a mill in successful otherwise, to the machine; which by a very sim-bound up in small sheaves, and placed perpendic-operation. ple operation breaks and dresses it, without injury ularly, by putting three or four sheaves together, to the fibre. The flax is then submitted to a pro- so that it may be sooner dried by better exposure

seed will be all preserved, which is of itself no all the machinery, not exceeding 300 dollars, and

FOR THE AMERICAN FARMER.

ON HORSE MILLS-being an answer to the enquiry of Major Thos. Griffin, of York-town,

Virginia.

Mr. Skinner,-On the last rainy day (which I spent, as I usually do those unfitted for the labours of the field,) turning over the leaves of one of the volumes of the Farmer, the enquiry of Thomas Griffin, of York-town, for information of a ma-A machine of half size cost about \$120, and chine moved by horse power for grinding corn, may also be applied to the breaking of hemp; and met my eye, and with it came the recollection that no public reply had ever been made to it .-Myself, under personal obligations to Maj. Griffin, for his politeness in pointing out to a perfect stranger, the scenes of the military operations which closed the great drama of the revolution; and the agricultural community under still greater obligations, for his contributions to the knowledge have accomplished what has long been considered a very desirable object both in Europe and in America."

of their art, doubly impose on me the duty of doing what, I well know, others are much better able to perform. Nor have I seen any answer to an enquiry from another correspondent, respecting the portable mills formerly used in the French armies. Though I cannot give very specific information of horse mill machinery, I may inspire the curiosity to search for it at the proper sour-ces. Of the French mills, I have seen two, and as some body may be gratified thereby, I will tell what I know concerning them.

As to a mode of grinding corn there is none other equal to the old fashioned one of a pair of stones, which, with proper machinery, can be put cimens were exhibited at the fair in New York, as by a water power. As large and heavy stones Nov. 16th and 18th, and received the premium in-only can make meal, either good, or expeditious-Mr. ly, a proportionate impelling power of any kind

The common objection to all horse machinery steady. This is a great fault in a corn mill, and can never fail to make bad meal. One horse, and that a mill horse, (proverbial for his qualities) always moves irregularly. His time is divided Cultivation of Flax.—The land intended for between standing still, faultering, and starting the raising of flax, should be well prepared in the under the lash. Hence, irregular deposites of fall—the grass and weeds must be removed and grain between the mill stones, bad meal, and injured machinery.

Three or four horses applying their power in divided portions, say to two or more beams, or levers, move steadily: the halting or faultering

of one does not affect the rest.

A common fault in the construction of horse after having partially decayed in ditches, where cle. Their power is not exerted to advantage; bad work is done, and the animals are injured.-I have seen them travel in a circle of 16 feet dito either. Horse power is better applied by their draught than by their weight.

All the machinery of horse mills are too often on a scale so contracted as to give an unnecessary and undue degree of friction. This is usually the proper dimensions and relative properties of the When the flax has reached the height of 5 or 6 different wheels, I would not here say, were this

A well constructed horse mill moved by four horses, will grind from five to seven bushels of corn in an hour. Two hours of any rainy day in the same machinery at the same time capable of cotton, beating corn in the ear, and other purposes. Is not this better than poisoning a family and, perhaps, a whole neighbourhood with a mill pond; or than sending two of these four horses half a dozen miles to a mill, wasting, not two thread, buyers and wearers will consult their own hours of a rainy day, but the whole of one, va luable for the labours of the farm, and giving one-eighth of the grain? One horse or two oxen one-eighth of the grain? One horse or two oxen stream increases are sufficient for the cotton gin, corn pounders, hints receive the attention they deserve.

W. F. F.

As to mill ponds, they are next to whiskey and militia musters, the greatest nuisances that infest our country. Some of our counties that nature intended to be healthy, have been, by the perverted industry of man, rendered the favoured abodes of misery and disease. I know a physician, who, looking for an eligible place to practice in, counted the numbers and estimated the expense of the mill ponds which lay in his route, and finally located himself in the midst of a dozen. But even money may be bought at too dear a rate; for, while his neighbours are dying of fevers to his great emolument, he has not been able to save himself from a terrible liver complaint.

I have, as I said before, seen machinery, where grinding, picking cotton, threshing, and beating corn on the cob, were all performed by one wheel but not all at the same time, yet power enough might be applied to effect all this at once, though it would scarcely ever be desirably. All this in bill given me by a carpenter as follows:-house, what you please, corn mill, (the master wheel not included,) 100 dollars, threshing machine, 50, plied to one of Miles' ploughs. The brass rod at by them, having already communicated my senticotton gin, 60, and corn beaters, 15 dollars.

As to the French army mills they resemble a coffee mill; are attached to a tree or post; have two crank handles, for as many sans cullottes to labour at; a heavy fly wheel, three feet in diameter; and, except the hopper and cranks, are made entirely of cast iron. Their cost is about eighteen or twenty dollars, but it is more than they are worth. They produce more sweat than meal, and might for their wholesome discipline be substituted for the tread mill. In constant use they wear out in two or three months, and being of cast iron, cannot be sharpened as the old fash-W. F. F. ioned coffee mills can.

> -00 FOR THE AMERICAN FARMER.

COTTON SHOE THREAD.

Shoe-makers will long deny and at last reluctbayer knows the fact, and wishes to communicate it to the sons of St. Crispin and to the public .more than if made with flax; but to the workmen the use of cotton is less agreeable, requir ing more care to prevent the breaking of the in about 4 hours and an half. thread and some skill in attaching the bristle.-Any difficulty standing in the way of old habits, best English ploughs, at the depth of 6 inches, of the Potomac and the Ohio river; between the is insurmountable by common minds; hence the and turning a furrow 10 inches wide, on a clover necessity of good bristles, some little trouble in od one year old, requires a force of draft equal Schuylkill, or tide-water of the Susquehannah; roughening them with a knife to make them ad-to about 5½ to 600 pounds, (see Young, vol. 1. An here, and less carelessness in sowing, will long be formidable barriers in the way of this improve-think myself within bounds by supposing that 7 ment. Shoe-makers stand in the predicament of inches depth and 12 inches width of furrow in the

good of their work requires, merely because their about 160 pounds,—an object certainly worthy the own labours are lessened by it. Though shoe-consideration of every practical farmer. makers, for very good reasons as concerns themselves, will doubtless condemn the use of cotton interests. The disparity in the value of shoes made to sell and those made to wear, will be greater hereafter than it is at present if these

Valuable Experiments.

FOR THE AMERICAN FARMER. EXPERIMENTS WITH STEVENS' PLOUGH

Hilton, Philadelphia Co. Feb. 10, 1825. John Hare Powel, Esq. Corresponding Secretary of the Pennsylvania Agricultural Society.

Sir,-It having been intimated to me by one of your members, that a communication relative to my trials with the dynanometer and ploughs, to ken of these reports, I contemplate results of inascertain the force of draft, would be acceptable to your society, I do myself the pleasure of enclosing the result of the experiment.

visions of ground, each containing 20 by 365 feet, ant sections, may be removed, without serious or about one sixth of an acre. By opening a lita house of two stories, 30 by 40 feet square, has the valve, connected with a spring, on one side of other quarters, which will have the happiest efbeen constructed for 700 dollars. I lately had a the dynanometer, and reversing the instrument, fect. Of the right of congress to promote these the upper cylinder was soon charged with the starting was adjusted to No. 1; when the plough ments fully, and on mature consideration, I deem starting was adjusted down to one quarter and a stopped it had settled down to one quarter and a lit unnecessary to enlarge at this time.

Half quarter above No. 2. The upper cylinder JAMES MONROE. was again charged, and the rod adjusted as be fore, and applied to Stevens' ten inch premium plough. The rod in this case, on completion of the work, had settled precisely at No. 2.-The instrument was again fixed as before, and attached to one of Miles' ploughs, differing in the form ting to this department the proceedings of the of the mould board from the first mentioned, and board of engineers for internal improvement, unbearing a resemblance to that of Stevens'; the der the act of congress, passed April 30, 1824, result of this essay was exactly the same as the

The ground on which these trials were made, had been, the year preceding, sown in oats, and not having been stirred since the crop was sown, favourably as to the practicability of passing the a pretty stiff bed of Blue grass, Daisy, Sorrel, &c. appeared all over the land. The soil, 3 or 4 inches, below the surface, is a clayey loam; the substratum consists chiefly of yellow clay; the with the advantages expected to result from its Shoe makers will long deny and at last reluct-depth of ploughing averaged about 7 inches, and antly acknowledge, that cotton-thread is better width of furrow 12 inches. The same plough for shoes than flax; but a shoe wearer and shoe man and horses were employed in quick succession throughout the performance, and the same your obedient servant, it to the sons of St. Crispin and to the public.— swingle trees were used with every plough—Cotton-thread is slow to rot, swells and distends Each piece of land was ploughed in the same by moisture more than flax, and hence the seams space of time, or nearly so, there not being a va-of shoes, well closed by the former, never rip -- riation of more than a minute. The duration of Shoes thus made are worth 10 or 12 per cent. each was from 43 to 44 minutes, at which rate I calculate an acre of ground might have been turned over without much distress to the horses,

being applied to threshing small grain, ginning more than double the quantity of lime that the jence in favour of Stevens' plough of 3 eighths, or

Yours respectfully, JAMES WILLIAMS.

Internal Improvements.

The following Message was received from the President of the United States.

To the Senate of the United States:-

I herewith transmit a report from the Secretary of War, with a report to him by the chief engineers, of the examination which has been made by the board of engineers for internal improvement, in obedience to their instructions, of the country between the Potomac and the Ohio rivers, between the Ohio rivers and lake Erie, between the Alleghany and Schuylkill rivers, the Delaware and the Rariton, between Buzzard's and Barnstable bays, and the Naragansett roads and Boston harbor, with explanatory observations calculable advantage to our union, because I see in them the most satisfactory proof, that certain impediments, which had a tendency to embarrass On the 8th of May last I marked off three di- the intercourse between some of its most importdifficulty, and that facilities may be afforded, in great results, by the appropriation of the public

Washington, Feb. 14, 1825.

War Department, Feb. 12, 1825.

Sir,-I have the honour to present herewith a communication from the chief engineer, submitauthorizing the executive to cause to be procured the necessary surveys, plans and estimates upon the subject of roads and canals. The reports are very full and in detail. The board have reported summit level between the waters of the Potomac and the Ohio, by means of a canal, and that it may be effected at a small expense, compared execution in a national and commercial point of

I have the honour to be, very respectfully, sir,

J. C. CALHOUN. To the President of the United States.

The following is the report of the members of the board of internal improvement:-

Washington City, Feb. 3, 1825.

Sir,-The board of internal improvement have the honour to transmit two reports on the propos-It appears from various experiments, that the ed canal communications between the tide-water Ohio and lake Erie; between the Alleghany and between the Delaware and the Rariton; between Buzzard's and Barnstable bays; and between Naagansett roads and Boston harbor. Accompanyng these reports will be found a letter from Dr. Peter Pinder's razor seller. Makers and buyers present instance, could not have required a much Howard, on his reconnoisance of the country have separate and discordant interests. Masons less power than 600 pounds. Admitting this hy south of the Glades; a memoir on the part of and bricklayers, according to professor Olmstead, pothesis to be correct; it is evident, if my call the Alleghany river; a memoir by each of the and according to my own costly experience, use culations are right, that there is the great differ-chiefs of brigade, viz: maj. Abert, capt. McNeill

N. Dillahunty; a copy of the records of the board Potomac and those of the Youghagany, a branch other gentlemen attached to the service, have in relation to the Ohio and lake Erie canal routes, of the Monongahela, the board prepared instruc- fulfilled their duties to the extent which the time and nineteen maps, general and particular, of the tions for the preliminary surveys and measure- and the season of the year permitted. The unseveral sections of country explored and survey- ments to be executed by the topographical engi- finished parts of their instructions comprehend ed, of which the following is a list :-

nett, Long and Wilson.

2. Maps of the eastern section of the summit level of the Chesapeake and Ohio canal. Surveyed by Wm. Gibbs McNeill capt. U.S toph. liams.

3. Profiles attached to capt. McNeill's map of

the summit level, numbered 2.

4. Profiles attached to capt. McNeill's map of the summit level, numbered 2.

5. Profiles attached to capt. McNeill's map of the summit level, numbered 2.

6. Profiles attached to capt. McNeill's map of the summit level, numbered 2.

summit level, numbered 2.

8. Profiles attached to capt. McNeill's map of the

summit level, numbered 2.

hagany and Crabtree creek, by Mr. Howard, assistant civil engineer.

sapeake canal, by Mr. Howard, assistant civil

engineer.

11. Map of surveys of the western section of the cal, by James Shriver, assistant civil engineer. 12. Topography of the map of surveys, by James

Shriver, assistant civil engineer.

13. Profiles attached to Mr. James Shriver's map, numbered 11.

14. Profiles attached to Mr. James Shriver's map, numbered 11.

15. Profiles attached to Mr. James Shriver's map, numbered 11.

16. Map of the country between Washington and Pittsburg, showing the proposed routes of the Chesapeake and Ohio canal, compiled by E. H. Courteney, lieut, corps engineers.

17. Map of the country between Pittsburg and lake Erie, showing the proposed route of the this line, and from surveys and levellings since Ohio and Erie canal, compiled by Mr. How-

ard, assistant civil engineer.

18. Map of the country between Pittsburg and Philadelphia, showing the route of a proposed canal from the Ohio to the Delaware, compiled this question. by George Dutton, lieut. corps engineers.

19 Plan and profile of a survey and level for the proposed canal between Buzzard's and Barn stable bays, surveyed September, 1818, by L. Baldwin, copied by licut. Fessenden, of the artillerv.

In execution of the orders of the secretary of war, communicated in your letter of the 31st May last, "to make a reconnoisance of the country between the waters of the Potomac and the head of steamboat navigation of the Ohio, and between the Ohio and Lake Erie, for the purpose of ascertaining the practicability of a communication between these points of designating the most suitable route for the same, and of forming plans and estimates, in detail, of the expense of execution,' the board proceeded from the seat of government, th sigh the portion of country indicated therein. Having deliberately examined every local circunistance on that part of the Alleghany moun-the zeal, perseverance and ability with which all not an Irish bull, but a Scotch bull, as I under-

and Mr. James Shriver; a letter from lieut. John tain which lies between the headwaters of the the officers of the two corps of engineers, and mac canal, in 1824, by J. J. Abert, major and T. ered the circumstances observed by them persummit, and the whole western section.

E. assisted by lieutenants Swift, Macomb, Bensonally, and carefully studied the results of such We have the honour to be, very rest of these preliminary surveys as are completed, your obedient servants, they are decidedly of opinion that this communication is practicable.

The board, on viewing the country between the eng.; lieuteoants Lewis G. D. Russey, Wm. by public opinion, became possessed of such facts Cook, Isaac Trimble, R. C. Hazzard, John N. by public opinion, became possessed of such facts as place the practicability of canalling, from the Dillahunty, John M. Fessenden, W. G. Wil-head of steamboat navigation. Ohio and Lake Erie, along various lines indicated Lake Erie, beyond all doubt. The information collected by the board, is not, however, of a nature to enable them to decide which of the several routes deserves a preference; and a definitive choice can only be made after the several surveys, indicated by the extract from the record of the board, herewith, shall have been executed.

In further execution of orders, the board repaired to the state of Massachusetts, and viewed 7. Profiles attached to capt. McNeill's map of the the ground between Buzzard's and Barnstable bays, where the isthmus of Cape Cod is not only narrow, but so low, compared with the adjacent 9. Plan of a proposed summit level of the Ohio this improvement, at an early period. Aided by and Chesapeake canal, between the little Youg-the maps and reports heretofore made of this 10. Profile of the surface of the ground over a ly, at private expense, the board are of opinion water, at no extraordinary cost. The tide rising summit level of the Chesapeake and Ohio ca- nal. The locks on the Barnstable side to be protected by a breakwater or pier.

The board also made a reconnoisance of the ground between Narragansett bay and Boston barbour-likewise with the advantage of knowing the result of previous surveys, under the authority of the state government, whence they in fer, that further investigation may show this com-

munication to be practicable.

examined the whole route of the proposed canal

from the Alleghany to the Schuylkill.

made by the Pennsylvania commissioners, the this work; but they think that further investigations are necessary to the definitive settlement of

The co-operation of the board with the comin a strong conviction of the practicability of a the Rariton, by leading the water of the former, are cut off the better, it prevents their growing the Rariton, by leading the water of the former, from about twenty-six miles above the city of in the pits. Trenton, to the summit ground between Trenton and Brunswick; and that the abundance of the water of the Delaware, will supply a canal of dimensions adapted to the vessels navigating the great rivers and bays of the sea-coast. The board have been accustomed to sow them broadcast, are, however, of opinion that, previous to fixing the exact route of the canal, lines should be run from the vicinity of Bordentown across the summit, to the lowest point on the Rariton, to which a canal can, with due economy, be extended, with ing far too costly, unless used on a large scale? a view to avoid as much of the difficult tide navigation of the two rivers as possible.

neers, and other officers and gentlemen attached the castern section of the Ohio and Chesaneake No. 1. Survey of part of the route of the Poto. for this service, and having now maturely considerand, from Cumberland to tide, some lines on the

We have the honour to be, very respectfully,

S. BERNARD, Brig. gen.

Members of the board of internal improvement. JNO. L. SULLIVAN.

To brev't. maj. gen. Alex. Macomb, Col. commandant U. S. engineers.

MISCELLANEOUS ITEMS, FROM LATE ENG-LISH PAPERS RECEIVED AT THE OFFICE OF THE AMERICAN FARMER.

From the Farmers' Journal. PRESERVING CARROTS, &c.

Near Northampton, Nov. 16, 1824.

Sir,-In your Journal of Oct. 18th, there is the following inquiry, dated Essex, Oct. 12th, 1824, with the signature of T .- "What is the best way country, as to have attracted public attention to of preserving carrots for winter, and what will it cost per bushel, or per acre, to take them up the maps and reports heretofore made of this from sandy land, where the root is large and plant ground, at the public expense, and by maps and thin?" As I have not seen any answer to the ininvestigations which had been made more recent- quiry, if you think the following information worth insertion in your Journal, it is at T's service. proposed summit level of the Ohio and Che-this canal might be opened at least as deep as low Having repeatedly grown carrots, I have tried several ways of storing them, and have had great from eight or ten feet on the Barnstable side, this depth of water might be carried through the can nal. The locks on the Barnstable side to be prohable. The locks on the Barnstable side to be prohable been very successful: The plan I have adopted, (though it may not be the best,) is the best I have ever tried, which is, to put them in small pits, not more than three teet wide at the top of the ground, sloped to two feet wide at the bottom, eighteen inches deep in the ground, and six or eight yards long. Fill the pit half-way up with carrots, throw in promiscuously, (not regularly stacked,) then throw a quantity of the san-In execution of the orders of the secretary of dy earth in amongst the carrots; then more carwar, requiring a co-operation with the canal com. rots, then more earth; then heap the carrots on missioners of the state of Penosylvania, the board till the ridge is about eighteen inches above the ground; then cover them with a bolting of long wheat straw, and lay a quantity of earth over the whole; beat it with a spade to keep the wet out. The earth running in amongst the carrots prevents their heating. Mine have kept very bright board are inclined to believe in the possibility of till late in the spring, and by having them in small quantities it does not expose many at a time to the severity of the weather.

I had 199 quarters four bushels, dug the week before last, at 5d. per quarter, digging and topmissioners of the state of New-Jersey, resulted ping; the expense of loading, pitting, straw, &c. was about 3d. per quarter, making it 1d. per bush-

> Having stated my expense and method, in digging and storing, I shall feel obliged if any of your correspondents will inform me of the best and cheapest plan of sowing and raising them. I and find the weeds come first, and grow faster than the carrots, and make it very expensive hoeing them. Is there any method of drilling them at a little expense, drilling implements be-

I hope, Mr. Editor, you will excuse my noticing a bull that appeared in your account of the The board has the satisfaction to acknowledge Blackheath ploughing match. I presume it was

stood by the Journal, the Chairman, Treasurer, depredation of the fox and the foulmart had be-ter to-morrow, and convince you of your mistake." &c. was a Scotchman, and I expect he drew up the articles. "To the ploughman driving two horses abreast without a driver."

J. D. Yours, &c.

P. S. If the weight of the different animals exhibited at the ensuing Christmas Show, could be procured, and inserted in your truly valuable placing the extirpated breed of geese, when the Journal, it would gratify very many of your read-

ON BURNING CLAY.

Brierly Hill, Staffordshire, Nov. 23, 1824.

Sir,-In common with many of the agriculturelative to the culture of mangel wurtzel, and

few days past, I was much pleased and surprised or termites of Africa, each containing from twening, was four-pence the square yard, and the slack from the coal-pit mounts served the purpose of fuel, to reduce the stiff clay to a productive and lasting manure. It is by such methods as the above, that the farmer will be enabled to nure to any extent, without the expense and loss

The clay requires considerable attention during the process, and the fire must be watched to will of necessity ensue; but when properly managed, I am informed that its beneficial effects will be manifest upon the land for four or five years. I trust that in a few years, the above plan will be carried into effect on all stiff clay soils; it forwards the crops very materially; -a most important consideration on such soils; it will amply repay the farmer; and render an essential and permanent benefit to the community at large. The farmer must by this time know, that no legislative enactments can assist him, but that to his own exertions only, must be look for a proper re. a Beer Company, a Pawnbrokering Company, a slack or doubtful paymaster is not so valuable a muneration for his labours.

l am your's,
J. RICHARD.

THE GANDER OF ARBIGLAND.

Among the many rural appendages of Arbigland, there happened, a good many years ago, to be a fine old gaoder, who had lived from youth to age in the same delightful spot, and whose remarkable, though well authenticated exploits, are well worthy of being recorded. From the great age and superior sagacity of this bird, he had become a great favourite with the former proprietor of Arbigland, who used to take much pleasure in seeing the sentinel geese strutting through the long grass, rebuking the approach of every stran-

which he deplored day and night by many a dole- names, and cheesemongers and tapsters, whoful and sorrowful note. These affectionate repinings did not escape the observation of Mr. Craik's placing the extirpated breed of geese, when the wi lowed biped suddenly disappeared, to the great regret of the whole family. One blamed the fox, another the foul mart, and a third the gipsies; but the event proved that they were all mistaken; for, one morning, as Mr. Craik was entering the breakfast parlour, he heard a well-known cackle, sir,—In common with many of the agricultarists of this neighbourhood, I feel greatly obligated by the communications of your correspondents that was his cry." The call was immediately repeated, and on going out to the lawn, or on lookdoubt not but that many more acres of this valuing out of the window, Mr. C. beheld the identiable root will be cultivated next spring. In a journey that I made through Shropshire a bonny lady geese, whose approach he was thus few days past, I was much pleased and surprised proudly announcing, and whose wings were still to find how much Gen. Beatson's plan of burning dripping with the brine of that element, through clay was brought into practice, upon the cold which he had taught them to pilot their way for clays of that county: it is undoubtedly a plan that a distance of at least 12 or 15 miles. This singular a distance of at least 12 or 15 miles. This singufurnishes a large quantity of excellent and active lar occurrence naturally excited a good deal of inmanure, at a very low price. Upon a large tract terest, and after making every inquiry, it appearof lately woodland, many of the fields had the ed that the gander had either been carried away ed that the gander had either been carried away lands burnt all round the heaps, and at a distance by the force of the tide, or had voluntarily swam appeared like immense bee-hives, or rather what to the opposite shore, where, landing on some travellers describe as the huts of the white ants, English farm, he had immediately attached him then let him lie down, covered comfortably, but self to one of the owner's geese, and sojourned ty to thirty cart loads of well pulverized soil. with her, till she had hatched a pretty numerous Upon inquiry, I found that the expense of burn-brood. At length, finding that he had reared up another family, to re-people his favourite retreat, or, what is still more probable, being attracted by the woods of Arbigland, while sporting in the Sol way on some clear sunny morning, he once more been towed up the river, from the Downs, by the ventured to cross the water, carrying with him James Watt and Soho steam-packets. Many abcompete with the foreign grower: he has now put his English spouse, and her whole broad of Ansured stories have gone abroad concerning this into his way, a system of producing valuable masured glo-Gallovidians. Whether this action was as ship. Her cargo has been stated at 6300 tons, inhonest as it was hatriotic, we will leave others to stead of which it is 6300 loads of wood, which is of time and cattle, in dragging the refuse of towns, always difficult to procure, and frequently too distant to be used with prudence.

Stead of which it is 6300 loads of wood, which is always difficult to procure, and frequently too rights of the English Farmer, it is certain that is estimated at £48,000, of which not more than distant to be used with prudence. this celebrated bird evinced far more gratitude than certain of our countrymen, who, after being accustomed to the rich pastures of England, seem

ing, preparatory to the excavation, which is to

A pleasing variety of joint stock companies, founded of course most disinterestedly for the Washing by Steam Company, a Stove Grate Company, and many others, none of which need be now mentioned, excepting the Alderney Milk Comhany, the last-born offspring of monoply. This nutritious society professes to purvey the vaccine beverage in an undiluted state; and diffident of the absolute uncorruptness of its yoke-bearing agents, seads them forth furnished with pails, all surprising—the death of a person who breathunder the security of lock and key, so that the
ed a portion of it. It occurred at Bourdeaux last appears that the directors are persons of whom it can be said with truth—

"Far as the Solar Walk or Milky-way,"

called a Lactometer. One of their customers hav- sess vastly different effects. One man may be but ger, and leading forth a long train of cackling ing complained, that the article with which he gently stimulated by it, while another, from peyoung, to dip their shooting pinions in the waters had been formerly supplied, was superior to that culiar physical construction in the brain or blood of the Solway. One season, however, either the demands for a Christmas goose, or the midnight dignant dairyman, "then I will bring my lactome.

[Medical Adviser.]

come so numerous, that the poor old gander was In this age of science, we may fairly expect soon left without a single helpmate-a misfortune to find milkmen with F.R.S. appended to their

> "Can tell by sines and tangents straight, "If cheese or butter wanted weight;

"And by a geometric scale,

"Can take the size of pots of ale."

Short advice on Rheumatism.—While we are preparing to enter fully upon the nature and cure of rheumatism, we think, as the weather begins to get cold, a few words upon the subject will not be amiss to those "whose boncs are racked with midnight aches." Let it, then, as a general rule, be observed, to avoid every irregularity of temperature as much as possible. Keep the bowels regular by the following pills—the dose to be taken at night when occasion may require:-

Of Antimonial powder, a scruple, Calemel, half a scruple,

The compound extract of colocynth, a dram and a half .- Mix, and make into 20 pills, one or two a dose.

The bowels being regular, and the pains becoming strong, the patient must get a warm drink of whey or gruel, made at night, have his bed warmed, and having got into it, let him take ten grains of Dover's powder, mixed up with a little of his drink. After having taken the warm drink, not heavily. This powder will give relief; but perhaps it may begin to lose its effects after a few doses; however, it should be continued every night as long as it is of service.—Med. Adviser.

The Columbus .- The great Canadian ship or raft, the Columbus, has at length arrived, and has one-third (£16,000) has been covered by insu-

Algernon Sydney .- A man of great courage, prevent its being too fierce, or much mischief willing to forget that there is such a place as poor great sense, and great parts, which he showed will of necessity ensue; but when properly majord Scotland." both at his trial and death; for when he came on the scaffold, instead of a speech, he told them Thames Tunnel.—The houses which now cover the intended site of the shaft, near Rotherhithe Church, are taking down, and the ground is clearper into the sheriff's hand, and another into a per into the sheriff's hand, and another into a friend's: said one prayer short as a grace, laid be commenced from the Surrey side of the river. down his neck, and bid the executioner do his office .- Evelyn's Memoirs.

Giving Credit.-Avoid giving long credit, even public advantage, have of late years risen like to your best customers. A man who can pay exhalations: there has been a Bread Company, easily will not thank you for the delay, and a easily will not thank you for the delay, and a customer that you need care about losing him .-When you lose a bad paymaster from your books, you only lose the chance of losing your money.

Fatal Effects of Laughing Gas .- The foolish experiments upon the laughing gas, now so much February. We sincerely recommend the public to set their faces against further exhibition of this dangerous practice; every thing which ope-"Their souls proud science never taught to stray rates upon the sensorium, so as to derange it, even temporarily, is dangerous. This same quantity for they have invented a philosophical instrument of this gas inhaled by different people will pos-

[Mechanic's Magazine.

SOLDIER OF FAME.

A NATIONAL SONG-BY CAPTAIN R. T. SPENCE, OF THE NAVY.

The GOD of creation bath called forth the morn Auspicionsly bright; by His sovereign decree
All nature rejoices—the night that is gone Seemed impatient to usher the day we now see-A day most sublime; for the light never broke To illumine a scene more transcendantly grand: It gives us the Chief, who, from Britain's stern yoke, With heroes departed, enfranchised our land.

Full of honors and years, he is spared by his Gon To visit the home of the happy once more; The path of his glory triumphantly trod, With Victory perch'd on the standard he hore, The shorts of Ten Millions who gladden our clime—
The "Star Spangled Banner" so proudly unfurl'd—
The page of his Glory immortal as Time.

Come forth, gallant freemen! come forth in your glory; Rush forward, rush forward, to greet our lov'd guest, Whose name and whose deeds are resplendant in story, Of all living heroes, the purest, the best ! Come forth, lovely Woman! come forth in your beauty, To the scene of enchantment, embellishment lead-Oh, you who are foremost in virtue and duty, Urge forward to wellcome a father and friend.

To the land of the free, a Hero is come, Whose glory will triumph o'er ages unborn; Till all that is mortal shall sink in the tomh; Till time shall be lost in eternity's dawn. Brave warrior of France, brave soldier of fame! The Millions of Freemen who welcome thee here, With fondest devotion will hallow thy name While Virtue is valued, and Freedom is dear.

Ve worthies who slumber in Glory's bright grave, Who for honor, for country, for liberty bled-Your sons from the chains of a Despot to save, Before whom Oppression and Tyranny fled; - Look down, sainted spirits! look down and approve The homage we render to Gallia's brave son,
Who soon will be summoned to join ye above,
To receive the reward which his Virtues have won-

Ve sons of brave chiefs, to whose valor we owe The blessings which make us the pride of the earth, Remember the warrior who vanquish'd your foe, Who conquer'd to rescue the land of your birth-Remember this friend, for immense is your debt-Your freedom he won you, with treasure and toil— Can the brave be ungrateful, or ever forget The kind Benefactor who visits the soil?

HUNGARY.

Perhaps there are no stronger proofs of our ignorance of the real wealth of some countries, and especially those which nature has so placed, as to deprive them of the means of foreign commerce,

148,229,177.=326,104,189.=65,220,837. Her Imports, 106,721,371 = 234,787,016 = 46,957,403

41,407,806. 91,317,173. 18,263,434.

of 7,224,207 persons.

AMPHICON.

A Frederick County subscriber to the "Amerienn Farmer," begs his best respects to Mr. Skin. ner. He is desirous of purchasing from fifty to one hundred bushels of the genuine yellow beard- luable in its contents, than any preceding volume. ed wheat for seed. Will be much indebted to Mr. Skinner if he will enquire, through the medium of the "Farmer," whether it can be had in the last number, in stating that the beasts sold in any of the adjacent counties.

Frederick County, 17th Feb. 1825.

THE FARMER.

BALTIMORE, FRIDAY, MARCH 11, 1825.

The Patrons of this Journal need not be reminded that the present volume of the American Farmer is drawing to a close. The next number for two hundred years in England, until the last completes the sixth volume. The Editor feels session of Parliament, when a bill was passed, that he has conscientiously discharged his en-allowing the export of wool on the payment of a himself, have I haid my subscription? The Edi. above export took place. tor is aware that to the friend who means him well, a word is sufficient; while to those, of whom he fondly believes there are very few, who would Maryland Agricultural Society, is fixed for Thursconsent to receive the Farmer, and thus convert day next, the 17th inst. at mid day, at Eutaw, his time and his money to their amusement and the residence of B. W. Hall, Esq.—It is expectbenefit, without intending to pay, all that he can led the committee will then submit the rules and say will be of no avail. But, to those who would regulations for the government of the Cattle Show thus purposely wrong him, he will put this case: to be held at the Maryland Tavern, on the first suppose a farmer in the habit, as is the Editor of and second days of June next. this Journal, of paying all his people, blacksmiths, wheel rights, labourers, &c. every Saturday night; and to enable him to do so, he establishes rigidly the custom of selling his pork, corn, wheat, cider, butter, &c. for cash on delivefew instances some neighbours, for whom you suing year. have great respect, send and prevail on you, in virtue of your great confidence in them, to break your general rule, and let them have a few artiof frocrastination; and such he would earnestly a \$11—Rice, fresh per cwt. lbs. \$3 50. entreat to consider this the "accepted time"— We find it quite impossible to give any just the request most earnestly, and not without cause, main the same as last report. that all those who are in arrears will discharge them forthwith.

The American Farmer will be greatly imexplorts, as stated in a work of high repute in bellished with costly Engravings. There are now on hand many communications of great value, amongst them, one from an accomplished Farmer on the structure of lime kilns and the A balance in favour of a population consisting correspondence is every week extending, embracing in value. The Editor will be greatly deceived if the seventh be not found much more elegant in mechanical execution and much more va-

> the Philadelphia market by Mr. Barney, were bred by Genl. Ridgely, of Hampton-they were

both bred and fed by Mr. Barney, but were of Genl. Ridgely's Hampton breed.

The first export of wool from England for two centuries, took place in December last;fifty bags of coarse wool were exported to this country; the export of wool has been prohibited gagements-in return, let each subscriber ask duty of one penny per pound; under this act the

The next meeting of the Trustees of the

IF IMPORTANT MEETING .- The members of the Maryland Agricultural Society will meet at their Rooms over the Post Office, on Monday next, the 14th inst. at 12 o'clock, for the purry, as the Editor does the Farmer-Well! in a pose of electing a President thereof, for the en-

PRICES OF COUNTRY PRODUCE.

White wheat, 95 cts.-Red do. 90 cts.-Corn, cles on the promise of paying the moment they 32 a 33 cts.—Oats, 20 a 21 cts.—Susquehanna are called on. They consume your corn, or your flour, \$162\frac{1}{2}\$—Western country do. \$5.—Bacon hay, or what not; you call on them for what they and Hams, 7 a 11 cts.—Cotton, Louisiana, 17 a owe, yet, though no unforseen misfortune has 19 cts.—Georgia, upland, 16 a 18 cts.—Alubama, overtaken them, they utteriy neglect to pay: you 15 a 16 cts.—Cotton yarn, No, 10, 30 cts. with an vainly call again and again, as you would call advance of 1 cent each No. to 18—Coal, pit, for"spirits from the vasty deep." By what name eign, per bushel, 40 cts.—Do. Virginia, 20 to 25 would you designate the man, who would thus Susquehanna, per ton, \$6 50 a \$7—Feathers, live, abuse your confidence? The Editor of a paper per lb. 33 cts.—Herrings. Susquehanna, \$2 a \$2 12 may be compared to the Farmer who has in such —Flax seed, rough, per bushel, 90 cts.—Hops, a case been entrapped into misplacing his configuration. dence; but he is well aware that of those who Hogs lard, 9 cts.—Lime, per bushel, 23 a 25 cts. are in arrears, the far greater part have become Meal, corn, kiln dried, per bbl \$2 25 a \$2 37 \}so from an unfortunate habit of forgetfulness, or Pork, Baltimore mess, \$14-Do. prime, \$10 50

time enough always proves little enough. If they idea of the state of the tobacco market.—As yet have not the exact amount, we will either return not a single hogshead of the new crop has been the change or give credit for it; but we repeat brought in, and our quotations, therefore, re-

> Extract from a letter dated "Cheraw, (S. C.) Feb. 11, 1825.

"The late accounts from England have caused proved in the next volume, in all respects. It a great rise in our Cotton market. It is arriving will be elegantly printed with a new type cast in abundance, and may be quoted from 121 to 151 than in the case of this kingdom. Her annual for the purpose; and many numbers will be em-cents according to quality, very choice would

CONTENTS OF THIS NUMBER.

Premiums offered by the Maryland Agricultural Society, use of lime as a manure, with the necessary drawings; a statement of the economy and facility of steaming all kinds of food for domestic animals, &c.; a valuable essay on the culture, preparation, &c. of cotton. In short, the Editor's correspondence is every week extending, embracing a greater variety of topicks, and his materials altogether, both from domestic and foreign sources, are accumulating in number and improving in yalue. The Editor will be greatly decay late Euglish patters received at the Maryland Agricultural Society, to be distributed at the annual exhibition to be held at the Maryland Agricultural Society, to be distributed at the annual exhibition to be held at the Maryland Payendinary fertility of the sternious Tavern, in June, 1826—Extraordinary fertility of the soil in Eric Co. Pennsylvania—Peach trees and drying of finits—Pruning trees—Pronia noff red by the Maryland Agricultural Society, to be distributed at the annual exhibition to be held at the Maryland Agricultural Society, to be distributed at the annual exhibition to be held at the Maryland Agricultural Society, to be distributed at the annual exhibition to be held at the Maryland Agricultural Society, to be distributed at the annual exhibition to be held at the Maryland Payen, in June, 1826—Extraordinary fertility of times—Praning trees—Pronia noff red by the Premiums offered by the Maryland Agricultural Society, to be distributed at the annual exhibition to be held at the Maryland Payen, in June, 1826—Extraordinary fertility of the soil in Eric Co. Pennsylvania—Peach trees and drying of finits—Pruning trees—Pronia noff red by the Maryland Agricultural Society, to be distributed at the annual exhibition to be held at the Maryland Payen, in June, 1826—Extraordinary fertility of the soil payen and the annual exhibition to be held at the distributed at the annual exhibition to be held at the Maryland Payen, in June, 1826—Extraordinary fertility of the soil payen and the soil payen and the soil payen and the soil payen and the soil payen late English papers received at the Office of the American Farmer-Soldier of Facue, a national song, by Capt. R. T. Spence, of the Navy-Exports and imports of Hungary-Editorial notices—Prices current, &c.

Printed every Friday at \$4 per annua, for JOHN S, SKINNER, Editor, by JOSEPH ROBINSON, on the North West corner of Market and Belvidere streets, Ratinance; where every description of Book and Job Printing executed with nearness and despatch—Orders from a distance for PRINTING or BINDING, with proper directions promptly attended to, addressed to J. Robinson, Battanore.

AGRICULTURE.

TREATISE ON SOILS.

CORRECTIVES OF ILL CONSTITUTED SOILS-By excrementitious substances applied as a manure.

(Continued from No. 43.)

X. The potency of dung as a manure, varies

with the animal affording it.

1. Dung of Sea-birds .- One of the most powerful dungs is that of such sea-birds as feed on animal food. The naturally sterile plains of Peru are fertilized by guano, a species of dung collected from small islands in the South Sea, frequented by sea-birds. It is used over a great extent of South America, applied in very small quantities, and chiefly for crops of maize.

this country as a manure until a trial of it was unade in Wales, at the recommendation of Sir H. Davy; in which instance it produced a powerful the rains in our climate materially injure that spe- han, is alone to be ascribed to this rich manure

reach of the weather.

recent or fermented, is a very powerful manure, and capable of supplying abundant food to plants. so as to be inoffensive in the carriage, even when at length, under article 6. conveyed in bulk. The Compressed Night-soil crops; one hogshead will be sufficient for an acre, when it has been prepared with due attention to lating it without waste.

the preservation of its fertilizing properties. As 6. The Dung of Cattle.—" Of the dung of cat-ways standing in the first place, may be relied on the preservation of its fertilizing properties. As 6. The Dung of Cattle.—" Of the dung of cat-ways standing in the first place, may be relied on the preservation of its fertilizing properties. As 6. The Dung of Cattle.—" Of the dung of cat-ways standing in the first place, may be relied on the preservation of its fertilizing properties. As 6. The Dung of Cattle.—" Of the dung of cat-ways standing in the first place, may be relied on the preservation of its fertilizing properties. other substances. From recent experiments, Mr. manure. Middleton concludes, that no other manure can compete with it for the first year after its appli- long preparation, Sir Humphrey then enters upon was on the eyes alone, or small cuttings; and the without detriment,—supposing the staple to be deep enough for tillage, and to be fitly constitu dip of mould requires contributions of new earth, without which, forcing manures will but exhaust an excess of food furnished to the plants."

On the authority of trials which seem so be convincing, some writers have insisted that an inconceivable loss of valuable fluid is incurred by exsiccating night soil. Though this may be a good reason for forming this substance into a by John Macdonald Kennier, Political Assistant on the spot; yet it is none against the use of the of Persia, 4to. London, 1813, ft. 110. | 11. River much article in a concentrated state, in which the loss, | Elements of Agricultural Chemistry, ft. 204. | 12. Cow dung article in a concentrated state, in which the loss,

some absorbent compost, falls upon the preparer;

When dry, it may be employed as other manures was as follows:capable of being pulverized. One tenth part of pigeon's dung, four parts of sand, and five parts of vegetable mould, is a good compost for a cold

heavy soil.

The following interesting quotation must recommend pigeon's dung as a fine ingredient in a compost for melons. "The produce of the subdistrict of Linjan (in the province of Irak) is not inferior to that of the most fertile spots in Persia. This sub-district is about seventy miles in length, and forty in breadth: it is irrigated by canals cut The duog of sea-birds had not been used in out from the Zeinderood, and covered with villages, which are surrounded with gardens and prodigious numbers of pigeon-houses. On inquiry I found that these birds are kept principally for the 2. Aight-Soil, in whatever state used, whether three hundred pounds each."*

5. Rabbit's Dung has been used with great sucmay be commodiously used as a top-dressing for cess as a manure; so much so, that it has been of a different nature forms the crop, so the prowheat in the spring of the year, and for all kinds found profitable to keep rabbits chiefly for the portion of fertilizing power, which a comparative of spring corn, for young clovers, and other green sake of the dung, and to have the hutches con-trial of manures has fixed in one instance, will

an enriching manure, many experiments have estle (says Sir H. Davy,) that of hard fed horses for conducing to a profitable return. A paper by tablished, that human ordure is to be ranked maappears to be the strongest. The dung of sheep the Rev. James Willis, President of the Christny degrees before the dung of the pigeon, hen, and deer is thought to be more efficacious than Church Agricultural Society, records two valuable sheep, or swine; powerful as all these are. But that of oxen. The dung of oxen is supposed by experiments, made to ascertain the positive efits effects are not so permanent as those of many to require a long preparation to fit it for fect of different manures on the product of pota-

cation; in the second year, the benefits from it a course of argument against the general practice, other on the whole root; so that the increase from are very much diminished; in the third, its effects, nearly, if not quite, disappear. Much depends on the depth of soil. There can be no like the other species of dung which have been well pulverized, in rows two feet as under, twelve doubt that a substance in which the principle of mentioned, there seems no reason why it should inches distant in the row, and six inches deep. vegetable nutriment is highly concentered, is in be made to ferment, except in the soil; or if sufproportion well calculated for speedily restoring fered to ferment, it should be only in a slight deor enriching land, and for forcing great crops gree. The grass in the neighbourhood of spots where unfermented dung has been dropt, is always coarse and dark green: some persons have ted as to texture. On the other hand, a shallow attributed this to a noxious quality in unfermented dung; but it seems to be the result rather of

The estimate founded on the experiments adverted to under article 4. above, does not correspond with the order in which the dung of horses

as far as the escaping fluids are not transferred to and that of sheep are mentioned by Sir H. Davy ; and it countenances the objection held in common while the expense of carriage, in regard to the by many practical men against the use of fresh solid essential part, is materially lessened.

Nine different kinds of manure have olid essential part, is materially lessened. | cov-dung. Nine different kinds of manure hav-3. Pigeon's Dung is next in fertilizing power. ing been tried on patches of barley, the result

> Hen-dung . . Most efficacious. Duck dung , Second in power. Sheep-dung , Third.

Coal-ashes . Exactly alike. Fourth.

Horse-dung . Fifth.

Gosse-dung Seventh. Not much above the average of three patches sown without manure.

Cow-dung . . Evidently prejudicial.

The quality of the land is not stated; but possibly one cause of the cow-dung being prejudicial, was the natural coldness of the soil. Moreover, but transient effect on grasses. That sagacious, sake of their dung, and that the acknowledged barley is extremely impatient of dung that is not and candid experimentalist hence conjectures, that superiority in the flavour of the melons at Ispa- well digested and divided. But on warm arid soils, cow-dung may be an improving manure, if fercies of manure, unless where it happens to be The largest of the pigeon towers will sell for mented with other dung, or kept alone till it can deposited in caverns or fissures of rock, out of three thousand pounds; and many of them yield be pulverized. In canvassing this point with an to the proprietors an annual income of two or eminent horticulturist, he informed me, that it is his own practice, and that of many gardeners skill-4. The Dung of Domestic Fowls approaches ed in preparing choice composts, to keep cowvery nearly inquality to pigeon's dung. It is very dung for a period of three years, before they ap-Saw-dust is a good vehicle for it. The disagree-liable to ferment.†

Sir Humphrey Davy here ranks the dung of entire manure, or as an ingrediable to find the state, as a manure, or as an ingrediable to find the state, as a manure, or as an ingrediable to find the state, as a manure, it should never be alone, but mosphere in thin layers, as the state, as a manure, it should never be alone, but fining what is find what species of fowls is intended, or discovered to the state, as a manure, it should never be alone, but mixed with any such articles as the following, of lime, in fine weather, it speedily dries, and is criminating between the different kinds of do- a warm nature, and easily pulverized: the dung easily pulverized: so prepared, it may be used in mestic fowls. It appears from a set of compara- either of the sheep, the hog, the horse, the rabthe in right of the interest may be used in the Agricultural bit, the pigeon, the hen, the duck, with some of their night-soil with one third of its weight of a Magazine, that hen dung, or the dung of the the animal manures; or with lime and sand, marle, fat marle, make it into cakes, and dry it by ex- common fowl, is most efficacious; duck dung is to soot, coal-ashes, the ashes of any burnt vegetable, posure to the sun. These cakes, which are said be rated second; while goose dung was found so or other substance; as the soil may want either to have no disagreeable smell, form an article of inferior, that the produce from a spot manured to be strengthened, or to be cooled with as much commerce. In the neighbourhood of London, this with it was not much above the average of three cow-dung as can be applied without its peculiar manure is prepared for sale in a concentrated state, patches sown without manure. See the statement disadvantages. Properly qualified, it is a good dressing for most shrubs and fruit trees.

As the texture of the soil varies, or as a plant structed in subservience to the object of accumu vary in another. Still some manures seem to be lating it without waste. toes, in the same soil, with the same sort, and

Table of experiments with the Eyes only, planted

on the 12th April, 1810. PRODUCT. MANURE. 1 bag and half, her lug. 1 bag and 2 bushels. 1. Pig's dung 2. Mown grass 1 bag and 1 peck. 3. Sheep's dung 1 bag and 1 peck. 4. Coal ashes 1 bag and 1 peck. 5. Hen's dung 6. Old rags 1 bag 2 gallons. 7. Garden rubbish 1 bag 1 gallon. bag 1 gallon. 8. Horse-dung 1 bag 1 gallon. 9. Turf-ashes 1 bag. River mud bag. I bag.

Vol. 6,-52.

^{*} Geographical Memoir of the Persian Empire, compost with earth, where it can be consumed to Sir John Malcolm, in his Mission to the Court 10 Turf-dust

ed on the 10th April, 1811.

MANURE.

PRODUCT.

1. Pig's dung . 1 bag 3 pecks, her lug.

2. Sheep's dung 1 bag and half. 3. Coal-ashes . 1 bag and half. . 1 bag and half. 4. Old rags

5. Mown grass . 1 bag, 2 bush. 2 pks. 1 gal.

6. Hen's dung . 1 bag 2 bushels.

7. River mud . 1 bag 1 bushel.
8. Turf ashes . 1 bag 3 pecks, 1 gallon.
9. Horse-dung . 1 bag 3 pecks. 10. Garden rubbish 1 bag 3 gallons. 11. Turf dust . 1 bag 3 gallons.12. Cow dung . 1 bag 3 gallons.

On reviewing the two tables, we may perceive, that though the relative powers of the manures may vary a little, from accidental causes, yet the increase from the whole root, as tried against that from the eyes, with the same manure, is uniformis more profitable to set either a half or whole root, than to plant eyes. The author of the experiments also informs us, that in digging up the potatoes, he found those produced from the eyes much smaller.

To the passage above quoted, Sir H. Davy subjoins: "The question of the proper mode of the application of the dung of horses and cattle, however, properly belongs to the article of composite manures; for it is usually mixed in the farmyard with straw, offal, chaff, and various kinds of litter; and itself contains a large portion of fibrous vegetable matter."

7. Hog-dung-according to the comparative statement above, ranks immediately after sheep-

dung, and before horse-dung.

8. Urine .- All urine contains the essential elements of vegetables in a state of solution; but the various species of urine from different animals, differ in their constituents; and the urine of the same animal alters when any material change is m de in its fond. During the putrefaction of urine, the greatest part of the soluble vegetable matter contained in it is dissipated: it should consequently be used as fresh as possible; but if not mixed with solid compost, it should be diluted with water; as when undiluted, it contains too much animal matter to form a proper fluid nutriment for absorption by the roots of plants. Putrid urine abounds in ammoniacal salts; and though less active than fresh urine, is a very powerful

* Elements of Agricultural Chemistry, p. 201.

FROM THE NEW ENGLAND FARMER.

A very valuable work has lately been published in Philadelphia, entitled "Memoirs of the Pennsylvania Agricultural Society; with selec-Editor of the American Farmer, Baltimore."*
This work has received due and handsome notice in the last No. of the Massachusetts Agricultural Journal, which we proposed to re-publish in a future No. of the New-England Farmer. In the mean time, we have selected the following article for re-publication. It is written by a gentleman, who is not only one of our acter and station in society, will add the weight and mental improvement. of authority to the intrinsic value of his observations.—Edit. N. E. Farmer.

horn Cattle, for the Dairy and the Shambles.

[BY THE HON. LEVI LINCOLN.]

Worcester, August 3, 1824.

JOHN H. POWEL, Esq,

Dear Sir,-I regret that absence from home and the pressure of my engagements have so long delayed an acknowledgment of your letter of enquiry upon agricultural subjects, by the receipt of which I beg you to be assured I felt both obliged and honoured. If my ability to afford practical and satisfactory information was in any degree proportionate to the ardour of my feelings, and of husbandry, and of its substantial results in the ly so much greater, as to prove decisively that it greater productiveness of labour, -1 should more and my attention and observations frequently interrupted in a manner to preclude a very systematic account of its progress, present expense, or promise of future advantage; and I can speak with still less confidence of the experience of others. The present depressed prices of produce, and the high rate of wages in this part of the country, are unfavourable to any great improvements in agriculture. This disproportion is most unreasonably great. Until within a few years a bushel of rye would pay for a day's layour at hay-making, while now, the price of 2 From this and other like circumstances, the business of husbandry is adversely affected. Less labour than would be advantageously applied to the culture of the earth is engaged, fewer and hood must be considered as progressive. Perhaps before the sun, and with short intermissions for to believe that this habit of almost incessant labour is somewhat peculiar to the proprietors of our stubborn soil. The intervals between the cultivation and securing of the crops, and after the harvest are usually employed in clearing new lands for improvement, in the erection of walls, ted States, published by John S. Skinner, Esq. in the preparation of composts, and in the transportation of the barn yard manure to the field for use the next season. Providing fuel for the year, and the care of cattle, afford occupation for the winter. And I may well venture to say, that in our climate, and with our occasions for industry, the prudent farmer can have no idle time. general tone of morals, and the degree of infor-

of age, with gentle and patient usage. At this vigorous and powerful cattle, and their best hay,

Table of Experiments with the Whole Root, plant, On the state of Agriculture, and the application period they are more docile and tractable, and of Farm Labour in Massachusetts-breaking, it is thought, become more powerful by being freding, and working Oxen-the culture of In-sooner accustomed to each other, and to the dian Corn-the advantages of Improved Short-application of their strength to the draft. I beapplication of their strength to the draft. I be-lieve they may be taught to travel in almost any gait; certain it is, the rate at which oxen, differently broken, will walk with their load, would seem incredible to a person ignorant of the difference in the mode of their training. accustom them to a quick pace, they should at first be driven in the yoke while young, without any, or a very light weight, and never heavily loaded, until they have arrived at full strength and maturity. A great fault with many people is too much indifference to the construction of the yoke. Almost any shapeless piece of wood, with holes for the insertion of the bows, is made to answer; but to the ease of the draft, the adaptamy sense of the importance of the object of our tion of the yoke or bow to the neck of the bullock, are altogether material. For common use, and particularly for ploughing, I have found that yokes were generally too short. Cattle of the communication and correspondence on the subject. largest size require a yoke from 4½ to 5 feet in My farming however, has necessarily from my length. In short yokes they are apt to haul as it situation, been but of secondary consideration, is termed, that is, draw from each other, and to such a degree in some instances, as to cross their fore legs, and destroy their power, and greatly impede their progress. I once owned a pair made totally useless by this habit, and afterwards entirely corrected by the application of a yoke of 18 linches more length. A short yoke is necessary only in snow paths, where cattle would otherwise crowd against each other, the opposite of hauling, This disproportion but of the same mischievous effect. In respect to what oxen may be made to do in a short time, or as an experiment upon their strength, I must bour at hay-making, while now, the price of 2 refer you to the results of our ploughing matches bushels is hardly made satisfactory. The smith's bills also, an important item in the farmer's account of expenses, is but little, if at all diminished. Expensels, it is and other like circumstances, the little used upon the road, except in the transportation of heavy loads for short distances in the same town, or between neighbouring towns. One reason why horses are preferred for waggoning on the road, may be, that they can be made to travel quicker, and that from the construction of the more imperfect implements are used, and a less hoof, they are less liable to lameness, than the careful and improving course of farming is pursucloven-footed ox, by becoming foot sore. On the ed, than, I trust, we should otherwise and every other hand, the patient and steady labour of the where notice. Still, against all these discouragements, the agricultural interest in this neighbourof the farm, and the latter is seldom seen there. of the farm, and the latter is seldom seen there, except in occasional aid of the ox team, or with in no part of the country is there more industry, the light plough between the rows of corn. The more hours of time devoted to labour by the value of a yoke of oxen, or a pair of horses, for yeomanry, than in this county. They are early use in all the business of a farm admits of no risers, and generally at work in the longest days comparison. So decided is the preference for the former, that I do not believe a single farmer can breakfast and dinner, until evening. I am inclined be found in this extensive agricultural country who performs his labour by horses without oxen. while there are hundreds, I had almost said thousands, who make no other use of horses in husbandry, than to furrow for ploughing, and plough among their corn for hoeing. Our oxen also, to antions from the most approved authors, adapted lands for improvement, in the erection of walls, swer another part of your inquiry, are kept in a to the use of the practical farmers of the Uni- by which most farms are enclosed and divided, cheaper and less expensive manner than horses. In the summer they are uniformly grazed in the pastures. In the cold and winter seasons, they are ut into the barns, and fed upon the stock hay, as it s called, that which grows in meadows, and upon he fodder of corn stalks, husks, &c. unless indeed they are more severely worked than usual, when The hay of better quality is given them; and in all cases, as the spring advances, their keeping is mation which is found to exist, evince a devotion improved, and with better hay, some grain is most intelligent Agriculturists, but whose char. of some leisure hours to the sources of intelligence added. I speak of the general practice of farmers. There are some who keep their oxen more You enquire the mode of "breaking, feeding, generously, and others more hardily than I have and working our oxen." The best broken oxen mentioned. But with a clean and warm stable, are those which are early trained and accustomed the daily application of the currycomb or card, *Who will deliver, free of other charges, any to the yoke with occasional light work.—They and coarse food, without severe labour, the best number of copies for \$1 50 each.—It is embellishare often broken as early as at one and two years farmers will at all times exhibit teams of most

^{*} Who will deliver, free of other charges, any ed with elegant engravings.

acre. In this manner I have never failed of a quietness and docility. crop of from 15 to 20 bushels the next season. season. The top stalks are cut after the corn cations. negins to harden, and before the frosts of the fall; and the corn is harvested in October, when per-fectly dry and sound. The stalks of corn are, in my estimation, so valuable fodder for cattle, that are ignorant of their value.

winter.

should fear to write to any one, less observing a pair of horses and of oxen, is in the proportion of the ploughs follow each other, and never suffer a and sanguine than yourself. With nineteen of 3 for the former to 2 for the latter, and to this is row to be finished in the middle which will leave them, of different grades and ages, in my posses to be added the value of the ox for beef when the field as if it had been fallowed. The reverse years, and three 2 years old, and for richness and fail most essentially to advance their interests. quality, and abundance in quantity, they are not excelled by the very best cows of any age, of the native stock. A heifer of three years, with her second calf, has not been dry since she dropped, her first, having given four quarts on the morning of her second calving. Next to the merino sheep, I consider the introduction of the short horns, in the blood of Denton, as the richest acquisition to the country which agriculture has received. For the dairy and the stall I speak with the utmost dian corn will soon come, and feeling disposed to confidence of their pre-eminence. From my 3 from 16 to 20 quarts of the richest milk, by the day, since calving; the other a little less, from the great desideratum among us is, how to make our country. With a view to this end, numerous the circumstance of having been in milk conting the greatest quantity of grain with the least possimportations have been effected, and various

and in the produce of their dairies, for the mar- degree inferior in quality. The last season she improve the soil. In all things, the end should ket.

The culture of Indian corn is much attended to by the farmers of New England, and most as the native stock, and are as hardy. I have this blunders, and unsuccessful exertion, than in any wonderful crops have been obtained here, as well year a three-fourths heifer calf, from a half blood other agricultural undertaking; and, of course, as in New York and elsewhere. Forty bushels of Denton by Admiral, the famous bull sent out of sound grain is quite as much as the average by Sir Isaac Coffin last year to the Massachusetts quantity to the acre, in the common mode of Agricultural Society, and two others by the cele cultivation. By extraordinary attention, my crops have usually exceeded this, varying from 60 to 80 bushels on good ground. My course has been respect superior to the three-fourths of Denton, the improvement of the soil. I proceed to add usually, and as I believe most profitably, to break I have no knowledge of the properties of this In the first place, I begin my work by a two furno the pasture lands, or old mowing lots, as soon stock for labour, never having altered but one of rowed list with a two horse plough, and am alas possible after having, cross plough and harrow the males. I cannot however perceive any reason ways careful to begin at the right end of the about the 1st of September, and sow winter ryc to doubt their value in this particular. Their field; for in going to list, if the field is to the left at the rate of a bushel and a half of seed to the form indicates great power, and they have much hand the plough should go to the opposite end

Most respectfully, and with great esteem, Your obedient servant,

LEVI LINCOLN.

I cannot but particularly advise to their careful versation with Major Davis, a professional and apart; at any rate, not more than five feet, with preservation. When cut in the proper state and agricultural friend, whom you will doubtless well a one horse shovel plough, the planting going on in good weather, they may be put the same or the recollect, he informs me, that a practical farmer, at the time of crossing. After the first replantnext day, into small bundles, and should be car-speaking of the stock of Denton, told him, that ing, or about the time the replanted corn is comried immediately under sheds, or hung upon rails so decidedly superior were the calves in his ing up, I then use a heavy two horse harrow, the or poles to cure and dry. Thus secured, they neighbourhood, from a cross of the native stock middle of the lists being previously ploughed out have a delightful flavour, and are eaten by every with a buil of the half blood, that the victuallers by one furrow of a very narrow shovel plough; species of stock with the utmost greediness; and would most readily distinguish, and select them the harrowing must be done across the lists, one in value I think are equal to their weight of the for the shambles, in preference to all others, and horse going on each side of the row of corn, and best hay. The practice of stacking them for a that the farmers could well afford to pay an long time in the field is both unnecessary and additional price for the use of a bull for this require. The first ploughing must be done the wasteful, and can only be pursued by those who purpose. I am also indebted to the same gentle-same way as the harrowing, and done well; two man for a confirmation of my account of this more ploughings, all with the shovel plough, and Potatoes require much less labour in cultivation than Indian corn. They are a fine, improving, ence, lie has himself bred fine animals from and ameliorating crop for the soil, leaving it mellow, and in excellent tilth. They are usually working of our oxen, he has reminded me of the ling in the 4g feet spaces. As soon after harvest of the soil and the soi cultivated on rough land, with or without manure, great superiority of their application by the yoke as possible, take a light one horse harrow, or culand hoed once, or at most twice. I think they to the cart, over horses attached to a waggon, tivator, and cross the last ploughing, which will pay for the expense bestowed upon them better The greater weight which may be carried by the level the earth as well as kill the young weeds, than any other root crop. When manure is approximately former, and the facility with which it is removed and thus prepare the ground well for seeding, as plied, the coarsest, even half-rotted straw and by tipping up, are of most striking advantage, well as preventing the land from washing. The litter from the yard, is to be preferred. Potatoes in the ordinary business of a farm. It is said that ploughing in of the wheat or rye, will be in the are much used in the fattening of cattle, and a cord of green oak or hickory wood is not an widest spaces, which is of great importance, as boiled and steamed in the making of pork. I unusual load for a yoke of oxen to bring into our well on account of the straitness of the rows, (it uniformly feed them to all my stock through the market upon a cart, while it would certainly being with the cross of the plough when laid off nter.
Upon the subject of "Denton's" progeny, I require the power of three horses on a waggon, to plant,) as allowing more room for the horse The estimate of the relative expenses of keeping and plough. In getting in my grain, I make all sion, I can safely say, that my most confident his strength fails for labour. If your farmers prevents gullies and leaves the ground even for anticipations have been entirely answered. I should once be induced to substitute the ox for cradling, have now seven heifers in milk, four of them 3 the horse in their ordinary business, it could not With r Respectfully,
L. LINCOLN.

- END () -

ON THE CULTURE OF INDIAN CORN. Virginia, March 4th, 1825.

To the Editor of the American Farmer.

Sir,-The approaching season for planting Incontribute to the usefulness of your highly valua-

and their grain will be saved in their beef and pork | ually for more than a year, but her milk is in notsible labour and expense, and at the same time and commence there; the second forrow, com-It will give me pleasure at all times to hear from pleting the list and leaving the whole impression After reaping, the stubble and grass are turned you; and I beg that this tardy and imperfect of the plough, so that the off horse can walk in it in; and the next year the field is well manured reply, too long to correct, by any opportunity I when ploughing the first fur ow of the second from the stable and yard, and the corn planted in have to transcribe it, may not discourage your list, and so on with the rest. The centre of each hills, and hoed three times in the course of the very interesting and highly esteemed communithis distance will allow uncut earth enough barely to support the land side of the plough, which is necessary to run the next furrow straight. After this work is completed, the crossing is per-P. S. Since writing the foregoing letter, in con-formed at the distance of four and a half feet

> With my best wishes for your success, and my admiration of your well merited fame in the great cause of agriculture, I beg leave to subscribe myself your friend and servant,

EDWARD CARTER.

OLD STOCK BETTER THAN NEW.

To the Editor of the American Farmer.

My dear Sir,-The general spirit of improvement which has spread throughout the country, and which, I believe, has been, in no slight degree, years old heifers I have calves of the most prom-ble Journal, I sit down to write a few words, after roused into action by your unintermitted and ising appearance, and greatly excelling any I many years experience, on raising that invaluable praiseworthy exertions, has among other objects, have before seen. One of the heifers gives them grain. rain.

It must be admitted by all agriculturists, that rected to the improvement of the stock cattle of

a correct decision on these matters could possiled to the indulgence of prejudice, and have, consequently, endeavoured to depreciate all other breeds of cattle than those in whose favour their men a blind zeal for novelty assumed the place of cool and deliberate judgment: every thing the great work of improvement was, in their opinion, only to be advanced through the instru-

perience of foreign breeders.

Of those who have fallen into this error, the advocates of the Improved Short Horns (a moremarkable. They have not been the least backward in assigning to them, the most valuable, and, indeed, extraordinary qualities.* They have been led to imagine and to assert, that whatever excellence may be found in any other breed, to the Short Horns, and is to be determined solely by the nearness of that affinity. experience from which such a conviction is de- are now fully qualified to determine.* rived, has either been exercised to a very limited extent, or has been productive of partial and unsound conclusions is amply demonstrated by the tude to the purposes of the dairy and the farm, paper, and although I have little faith in him I did facts exhibited in the slaughter of a lot of fine beauty of form, and tractability of disposition, read the article he lauded so highly, and cannot cattle, within the last fortnight, in Philadelphia. Gen. Ridgely's stock bears a high character.— say I was disappointed. It has confirmed me in These facts are of a character to address them selves to the understanding, and enable all per-degree, is well known by all who have any of the sons to institute a comparison and arrive at a correct decision on the subject; they bring the merits of different breeds (as beef cattle) immediately into view, and establish conclusively that rank, in the state of excellence, to which each one of them is fairly and honestly entitled. The lot consisted of a heifer and steer of Gen. Ridgely's breed-(both fed by Mr. Barney, with whose name all your readers are acquainted)-a steer of native Pennsylvania breed, and one of the celebrated Teeswater breed-(the two latter fed by Mr. Lowry.)-The Teeswater, at the advanced age of seven years, yielded only 1302 lbs. of in-ferior beef The Pennsylvania steer (whose age is not mentioned,) yielded 1730 lbs. Barney's steer, of Gen. Ridgely's breed, gave, at the age of four years, 1397 lbs nett beef; and his heifer, of the same breed, stands unrivalled, as well as I

† Vide Farmer, page 74, vol. 5th, 9th line from the bottom of the 1st column.

breeds of stock of the best repute in Europe in-itry, but of Europe. She produced, at the age of troduced, at great expense, into various parts of five years, the enormous yield of 1678 lbs. nett thy, he would not monopolize, except in cotton; the United States. Each of these particular beef, and that of a quality, pronounced by skilful the new crop of which is said to be 200,000 bales. breeds has had its strenuous advocates; some of and impartial judges, superior to any they had whom, in their zeal on the occasion, seem to have ever seen. I challenge the advocates of our fa whom, in their zeal on the occasion, seem to have selected enthusiasm as their guide, and to have shionable breeds to produce me evidence of any ling a great profit at Alexandria.

5. He is not satisfied with this great profit at been thus led away from the exercise of that so-animal, of their favourite stock, comparable to ber judgment by the operations of which, alone, this. Do not these facts clearly show the supe-home, but becomes the exporter of it to foreign riority of the native to, at least, one of the foreign countries. bly be attained. On this spirit they have been breeds that has been so highly recommended? Do they not prove conclusively, that Gen Ridge- pete with him in the exportation of it. ly's breed of cattle possess, in an eminent degree, the desirable property of tending to fat at an ear- es to have it believed he has, sent 110,000 (Alexpartialities chanced to become enlisted. To these ly age, and powerfully establish the strength of andria, Sept. 1824,) bales to European markets. the most valuable properties have been attributed its claims to distinction? The inference from the after he has already "poured" into them "imed, in an extraordinary degree, the possession of facts in the case is clear, and such as common mense quantities" of the old crop. which, it has been contended, should entitle them reason cannot fail to deduce and common sense to to universal notice and consideration. With such admit. It may be contended, however, that the Teeswater steer, in this instance, was not a fair specimen of his breed. But that he was so con- as it may last, is, that there is but one English esnative was condemned as unworthy of regard, and sidered; that he was thought to possess uncommon claims to attention, and that those proper ties, which all vehemently contended for as the mentality of foreign breeds, and through the ex- characteristic excellencies exclusively belonging to his breed, were attributed to him, I am warranted in believing, from the fact that he obtained a premium at the Philadelphia exhibition in 1822 dern fashionable breed) have not been the least I am bound to presume that the gentlemen, who acted as judges on that occasion, faithfully exewarm in praise of their favoured stock, nor the cuted the duties they assumed, according to their least negligent in their efforts to bring them into judgment. They thought most highly of the ani general repute. They have not been the least mal, and therefore gave to him a premium -Since that period, he has remained in the hands of a celebrated feeder, who has spared no care and omitted no attention that might tend to bring him to the desired state of excellence. How far is to be traced to a certain degree of relationship his efforts have been crowned with success, and lete statutes and unmeaning oaths. how far the judgment of the friends of this breed, That the has, in this instance, been established, the public ing his cotton.

> In regard to the other qualities necessary to constitute excellence in a breed of cattle, apti-That it possesses these qualities, in a superior the opinion that apprehensions are to be enterbreed. If this be true, and it is a well established fact, it would appear, that Gen. Ridgely has the American Farmer the channel of its commualready attained that point to which the ambition nication to the public, of our modern fashionable breeders aspires; that by the exercise of a skilful judgment in crossing and proper management, he has produced a breed of cattle that has fairly established its claims to superior distinction, and justly merits to take precedence of all others. AGRICOLA.

March 1st, 1825.

* See remarks under editorial head.

THE PROSPECTS OF THE COTTON

MARKET. From the National Gazette, of the 17th February.

"Much alarm was raised some time ago about can ascertain, in the history, not only of this coun-'est. We never shared in it, in consequence of comment. "the opinion which we entertained of the nature " of the government, and the condition of things "in Egypt. The interesting article on the sub-

- chant. Annual produce of cotton now 220,000
- 2. British merchants have been disappointed by a partial prohibition of manufactures.

3. Were Muhammed Ali needy instead of weal-

4. Its cultivation may be extended to almost ANY QUANTITY, and this raised at a price produc-

6. He asks so high a price that no one can com-

7. To bolster up prices he either has, or wish-

8. His agents pretend to have advanced him \$10 per cantar, and THINCILLE LACHERYME.

9 The consequence of such a system as long tablishment, and this is the Pacha's agent.

10. Munammed Ali is fond of fostering his own manufactures-linens, silks, and cottons and printing establishments; likely, eventually, to prohibit French and British manufactures

11. Specie sent to Egypt to purchase cotton has been returned.

12. The monopolizing price, and the heavy shipments, on account of the Pacha, makes it impossible to foresee what reduction the Mocho coton may sustain in England; and whatever it may be, it can only be a nominal loss to the Pacha.

13. Proposals have been made for an improved system of cultivation and sale,

14. The Levant company is a nuisance.

15. British merchants are content with obso-

16. A merchant to be bastinadoed for examin-

To the Editor of the American Farmer.

Sir,-Accident brought before me Mr. Walsh's tained of the result of Muhammed Ali's operations. As truth is your object, I propose to make

It is evident the paper is written by some disappointed, soured supercargo, who, like the Editors of the Morning Chronicle, and some other papers, foster every thing like opposition and imposition; and, in fact, cannot see beyond his nose.

To me, I repeat, it appears evident that, considering the power of Muhammed Ali, the alarm is founded. No one will deny to him understand-ing and intelligence; and combining a knowledge of his power with these qualities, I am apprehensive of the results.

The writer allows there is now annually produced 200,000 bales, and that any greater quanti-

ty can be produced.

I refer you to the 12th paragraph for a fact pregnant with alarm. It will furnish its own

I would ask the writer if, under such a man as Muhammed, it is likely affairs are to be stationary? On his own shewing, it is impossible for a chief who has cut the canals and opened the commerce, &c. &c. he has in so short a period of time, long to remain insensible to the advantages of a free system of commerce.

The writer has uttered some sage advice as to quality. The price (10d. to 12d.) it has borne in the Liverpool markets renders any observation on that head unnecessary.

He seems to think the period approaching when French and British manufactures will be prohibit-

^{*} Note .- Vide 5th vol, American Farmer, hage 74, 2d paragraph of 3d column, where a corres nondent would fain induce the serious belief that the Teeswaters possess the amazing quality of be ject, which we have copied in our last page from ing able to subsist without food!!! This reminds the London Morning Chronicle, WILL SERVE me of a farmer of my acquaintance, who, it was "TO QUIET THE APPREHENSIONS OF OTHERS." said, used to furchase, at the commencement of winter, a small stack of hay—and possessed such a thrifty stock that he was enabled to keep them alive, through the whole winter, by indulying them with an occasional view of the hay stuck.

A brief analysis of the article. 1. Muhammed Ali Pacha the only export mer-

future period.

He is silent as to the way in which Muhammed has received the proposals for an improved system of cultivation and sale.

He is very keen on British merchants submitting to "obsolete statutes and unmeaning oaths."

from the statute book by the Right Hon. Fredeby that intelligent minister convinced him that every abuse and regulation fettering trade, crippling industry, and repressing the increase of talent and capital, will be speedily renewed?

Can he be ignorant of the difficulties thrown into the way of Muhammed Ali by (I hope I may here say) the late Greek contest; and, of the facilities which the release of the Greek tonnage will afford to the commerce of Egypt?

To damp the ardour of the cotton planter is not my wish; but, the wretched scheme of fancying nothing is to be gained but by foreign commerce, has so completely manacled the exertions of the good people of this country as to its domestic commerce, that I cannot forbear to expose the folly of those who will tell us there is no danger when it really exists and to a great extent.

cotton; but, that he will look to his stock of provisions for his people and his family.

Permit me to add, for the benefit of the flour grower, too facts:-the one, that Lisbon is shut to wheat; the other, that the government of great exertions.

Buenos Ayres has prohibited flour.

What the government of Mexico, &c. will do, I have, of course, no knowledge; but, the perusince by an United States' Consul, and stating the will not only not be admitted, but, that as soon as the country shall be quieted (an event now not distant) she will export it largely. Rest assured, rivalry is to be expected; and, considering some heavy taxes under which this country exclusive ly labours; the support of an establishment of 6,000 lawyers, or \$12,000,000 annually; the im 6, 7, and 8 per cent. being to be paid besides the Staunton, through which the present mail route costs of suit; and, all this over and above the passes. By actual survey, this route, from Staun expenses of a government proportionally more expensive than any of the continental establish. the road by Havre de Grace. ments of Europe.

as both Congress and the State Legislature seem determined to afford a premium to the debtor to No part of the turnpike has been made. Several remain in debt, and the credit or toassent to it, by the granting him an interest, which certainly indebtor, on a judgment; and thus totally forgets are in a condition to admit of stages. the object of the law in according that judgment, which was the instant discharge of the debt.

AMPHICON. South Carolina, 4th March, 1825.

Internal Improvement.

POST OFFICE DEPARTMENT, 29th January, 1825.

Sir,—In obedience to a resolution of the house 24th instant, which directed that the memorial of sundry citizens of the State of Maryland, upon the subject of transporting the United States' mail, between the cities of Baltimore and Philageneral, with instructions to report to the house of about seventeen miles what provisions are necessary, by law, if any, to remove the evil complained of by the petitioners; turnpiked. If a road of thirty-five or six miles tion.

rable part of the winter and spring seasons of the the Susquehannah, were constructed, and bridges year, when the weather is mild, the great mail thrown over Big Elk and Little Elk, all obstrucroute between the above cities is so bad, as to tions to the rapid and regular transmission of the render the rapid movement of the stages upon it mail, between Baltimore and Philadelphia, would impracticable.

As there is but little travel on the greater part Can he be ignorant of the 300 statutes erased of this route, when the steam boats ply upon the Creek, at Gilpin's bridge. Chesapeake and Delaware, the necessary repairs rick Robinson; and, has not the system established upon it have been almost wholly neglected for some years past. But, if this road were turnpiked the entire distance, the crossing of the Susquehannah at Havre de Grace, which is more than a mile wide, will always impede, and frequently stop, the progress of the mail. High winds sometimes render an attempt to cross extremely hazardous; but floating ice, in the winter and spring seasons, forms the most serious obstacle .-Although the utmost exertions are always used by experienced ferrymen, the boat is frequently several hours in crossing with the mail. The time of crossing, at this season, is in the night, and frequently the darkness, is so great, that the ferrymen have no other guide than the sounding of horns. The North East, Big Elk and Little Elk, are often impassable on this route, immediately after a heavy rain. These streams rise sudden-Hence, I hope the present prospect of high ly, and their currents are so rapid, when swollen, prices will not allure him to plant too heavily in that, to cross them, is very dangerous. Last winter, in crossing them, as well as the Susquehannah, the mail was near being lost several times. At one time, one of the stage horses was drowned, and the others, with the mail were saved by very

The only effectual remedy to avoid delays at these rivers, would be to construct bridges over them. North East, Big Elk and Little Elk, sal of a decree of that body, furnished some time might be bridged at a small expense, but a bridge over the Susquehannah, at Havre de Grace, if articles prohibited, convince me, that bread stuff practicable, could not be seriously contemplated by any one, when the bridge at Port Deposite stands only six miles above. This bridge has been constructed at an expense of about one hundred and eighty thousand dollars, and is represented to be of good material and superior workmanship. When it was built, a turnpike road was contemplated to it from Baltimore, on nearly mense amount of their fees; and, the interest of a direct line, thence, by the way of Newark, to ton to Baltimore, is about one mile shorter than

The "Baltimore and Rock Run Turnpike com-For relief from these taxes there is little chance, pany" after constructing the bridge at Port Deposite, ceased further to prosecute their designs .-

roads lead from Baltimore to this bridge, and

thence to intersect the present mail route east jures most essentially, if it does not ruin, the wardly; but, it is understood, that none of them

From Staunton to Baltimore, on the route surveyed by the way of the bridge, it is fifty-seven miles and a half. It will not, however, be neces sary to construct a road the whole of this dis tance, should it be deemed proper to establish the great mail route by the way of the bridge. The Baltimore and Havre de Grace turnpike runs nearly by the proper direction to the Great Gunpowder, a distance from Baltimore of thirteen miles; from thence to the bridge, the ground is bruary, nor did the ice acquire any thickness represented to be level, and such as will admit of representatives of the United States, of the of a road at small expense. From the bridge to the year, were remarkably mild, and the extremes Staunton, is twenty six-miles. To pass from the of temperature did not take place at the usual bridge by the way of Elkton, would increase the periods. The quantity of rain fallen was nearly distance to Staunton four miles. Should this the same as the preceding year, but it was not so route be preferred, it would be only necessary to equally distributed, and vegetation suffered greatdelphia, should be referred to the postmaster make a road from the bridge to Elkton, a distance ly in September and October, much to the injury general, with instructions to report to the house of about seventeen miles

ed. This is not impossible, but it would be at at I have the honour to state, that, during a conside in length, estimating the distance on both sides of be removed. The road, from the bridge at Port Deposite to Elkton, would cross the North East

The distance from Baltimore to Philadelphia, by the way of Port Deposite bridge and Elkton, would not be increased, over the present mail route, more than three miles.

I have the honour to be, very respectfully, your obedient servant,

JOHN McLEAN.

The hon. HENRY CLAY,

Speaker of the House of Representatives,

METEOROLOGICAL SUMMARY in Baltimore, for the year 1824.

in Builmore, for the year 1824.														
ANNUAL,	DECEMBER, :	NOVEMBER, :	OCTOBER, : :	SEPTEMBER, :	August, ::	JULY,: : :	JUNE,: : :	MAY, : : :	APRIL, : :	MARCH, : : :	FFBRUARY,: :	JANUARY, : :		
540 22	33	44 50	50	75	00	00	50	67	75			390 00	Farenhe Thermome Mean of month.	eter-
30 08	08 0	30 11 0	02 0	10 0	08 0	99 0	93 0	01 0	99 1	30 08 0	97 1		mean.	Barometer
J 80		82 82			45 823						55 75	26 78	range. mean mois	
42 28		2 27								4 30			inches.	rain or
244 78		22			_			-		_			fair days.	general of the
861 3	1	6 2			-	_	_			_	5		raiov snow.	state wea.
61 3 129 57 164		10 7		bend									N. W. N. E.	Prevail'g
72		9 4				_	1						S.E.	'g winds
4				_	_	_		_	_			-	calm.	S

The year 1824 is particularly characterized for its mildness and even temperature. Ferenheit's Thermometer never having sunk below \$ 90 which was on the 2d February, nor risen above 89°, on the 8th June. The navigation was inter-rupted but for a few days in the beginning of Feworth noting. Both the first and last month of The road from Elkton to Staunton has been season far surpasses almost any within recollec-

Editorial Correspondence.

Extract of a letter, dated Frederick County, Va. 22d Feb. 1825.

To J. S. SKINNER, Esq.-

Dear Sir,-"I have never yet thanked you for the beautiful sample of Saxon wool, sent me last summer; for as I could give you no useful information on the subject of the tariff as it regards wool, I have postponed it until the present. I have lately sold my crop for 33 cents in exchange From LATE ENGLISH PAPERS RECEIVED AT THE for groceries in Winchester. The price with us certainly has not been raised as yet; but it is a fact that a more certain market is created, and in due time wool will be estimated according to its value, and not thrown into one common mass without discrimination and sold at one common price. Once sheep were my exclusive hobby, now they share in common with all my other stock; they are all so necessary to be perfected recently increased, and many young practitioners in their place, that I find undue partiality bad are making enquiry respecting the best way of economy. I believe it has been a ruinous thing storing them for the ensuing spring feed, perhaps You see, my son, how I am served; some day or to many farmers, that devotion to some one par-lit will not be unacceptable to them to read the ticular branch of husbandry to the injury of the practice of your different correspondents; and That will not improve their cookery.'—'Oh, inrest; perhaps, still more ruinous to a planter the want of a proper attention to any. I find my profit increased with my pleasure in making hub-detailed account of his in your number of Octo-dom them.'—'Yes, but they must eat the pilon bies of them all. And, in truth, Mr. Skinner, in ber 25; and I have no doubt but a crop may bonted in the dish water this delightful employment I find much more preserved on his plan to considerable extent without this delightful employment I find much more preserved on his plan to considerable extent without this sentence was executed to the very matter than I can furnish mind to act upon, not they were grown to great advantage. Your corshold be in my court-yard.' At this time there should be in my court-yard.' At this time there a good farmer."

FOR THE AMERICAN FARMER.

rye grass for lawns, and for hay; and adds that plough, but I have since found that it is better to he has never seen it properly described. If I have since found that it is better to he has never seen it properly described. If I have since found that it is better to he has never seen it properly described. If I have since found that it is better to he has never seen it properly described. If I have since found that it is better to he has never seen it properly described. If I have since found that it is better to he has never seen it properly described. If I have since found that it is better to he has never seen it properly described. If I have since found that it is better to he has never seen it properly described. If I have since found that it is better to he has never seen it properly described. If I have since found that it is better to he has never seen it properly described. If I have since found that it is better to he has never seen it properly described. If I have since found that it is better to he has never seen it properly described. If I have since found that it is better to he has never seen it properly described. If I have since found that it is better to he has never seen it properly described. If I have since found that it is better to he has never seen it properly described. If I have since found that it is better to he have seen them in horseback, from whose feet streams of light is sued forth, and showed the pavement for several have lost the grade forth, and showed the pavement for several have lost the grade forth, and showed the pavement for several have before and round the head of his horse as leave to refer your correspondent to have lost the grade forth, and showed the pavement for several have lost the grade forth, and showed the pavement for several have lost for the interest for my correspondent to the match of the minute for head of his horse as leave for his invention, but have lost the minute for head of his horse as leave for his assistance, I have lost for head for he head of his horse as leave for his assistance, I have lost for head for head for head for head for head f also known by the common names of Ray grass, air; and they were not removed from their situa-Rye grass, Darnel, &c. It is particularly describ-tion till wanted in the month of March, when ed in most botanical works, and especially in the they were found perfectly sound: if they had re-visible, and render it as safe to ride in the darkest Cyclopedia aforesaid—which being within the mained covered after the water left them, they reach of most gentlemen in this country, I need probably would have been spoiled. To prevent a like occurrence, we cart them on the surface in has been extensively cultivated in Europe; but any situation, whether sheltered or open, as is have no doubt, however, that it may be worthy tumbril in a promiscuous way, one load upon of attention, for the objects spoken of by your another, till as long a heap is obtained as we ference. W. D.

Respectfully, West Chester, Pennsylvania, March 11, 1825.

-00-

FOR THE AMERICAN FARMER.

TO FATTEN POULTRY.

Philadelphia, March, 9, 1825.

Buck's county, in this state, who is in the practice taken from a good meadow pasture, and fed upon pressed him over the Common so hard as to run of supplying this market with the finest and fat- a wheat stubble piece with the tops of those roots him into the farm yard belonging to Mr. Keen, test I have ever seen: Confine your fowls in a we have been storing for the last fortnight. They of Kenly, where he leaped on the thatch of the large airy inclosure, and feed them on broken increased one pound and a half of butter the first pig stye, from thence on the roof of a very large Indian corn, Indian meal, or mush, with raw poweek, and have continued the same quantity the tatoes cut into small pieces, not larger than a second, each cow.

filbert; placing within their reach, a quantity of charcoal broken into small pieces, which he says, they will greedily eat, and thereby promote a rapid digestion of their food. By this method he now feeding my stock on the tops, assures me they will fatten in one half the usual time, and with much less expense.

Yours, &c. A Subscriber to the American Farmer.

CO CONTRACTOR MISCELLANEOUS ITEMS,

OFFICE OF THE AMERICAN FARMER.

From the Farmers' Journal. ON STORING MANGEL WURZEL. North Creek, near Burnham, Norfolk, Nov. 9, 1824.

Sir,—As the cultivation of Mangel Wurzel has en his, directing a covering of long horse dung, ously to being sent to Constantinople." should a severe frost set in; this I think very proper. A former correspondent enquires the Mr. Skinner,—A correspondent, signed "A," cheaftest and best way of storing them in the field. In the Farmer of the 4th inst. recommends the I formerly used to open holes in the field with my only partially, I believe, in the United States. I most convenient. We shoot them out of the correspondent: though in Pennsylvania, where want; the loose or scattered ones are thrown on the farmers preserve the practice of a pretty the top: a thin covering of straw is then scatterrapid rotation of crops in their fields, I apprehend ed over them to prevent the mould mixing with My hody to be layd in grave, where to my friends timothy and orchard grass will command a pre- the roots. About eight or ten deep furrows are then ploughed round the heap, a roll and harrow follow to break the clods, when the plough is set on again and ploughed a second time, beginning each time next the heap: this will bring a sufficient quantity of fine mould so near the hean that a man may shovel what is wanted to cover the roots in a short time. By this means a trench hounds met at Kenby Common, on Tuesday last, will be made on the outside of the heap, which when the following singular circumstance occurwill take all the water from them. I will beg to state for your Suffolk correspondent Rambler's ten. Gazing around him three or four minutes, Philadelphia, March, 9, 1825. information, who, in his letter, in one of your the hounds being near at hand, got wind of him Dear Sir,—The following method of fattening numbers in August last, contemplated ploughing before the usual time allowed for the deer to go fowls was communicated to me by a farmer from his tops in for manure, that my cows have been away; a burst in view was the consequence, which

I have been offered some good white turnips at £2 per acre, and some Mangel Wurzel at £6; I have purchased the latter in preference, and am

I am, Sir, your's respectfully,

THOMAS HEROD.

Ali Pacha's Method of improving his Cooks .-"Pilau, or hoiled rice, the usual desert of the Turks, and over which they pour curdled cream, being now served up, the Vizier, dipping in his spoon, discovered two or three small feathers .-He immediately judged that his pilau had been boiled in the water in which the under cooks steep the poultry previously to plucking it. 'At that instant,' says M. Pouqueville, 'I saw the Satrap turn pale, and immediately symptoms of alarm and terror seized his attendants.' 'What is this? Ah!' His voice was completely altered, when, his eyes accidently meeting mine, not being able (I know not why) to continue his invective, he suddenly burst into a loud fit of laughter. other I certainly shall hang up a few of them.'dom them.'- Yes, but they must eat the pilau were about half a dozen exhibited there, previ-

[Life of Ali Pacha.

Useful Invention .- Thursday evening, much curiosity was excited about 9 o'clock, in the Strand, by the appearance of a gentleman on visible, and render it as safe to ride in the darkest night as in the brightest noon.

Last Will and Testament of William Hunnis, Chappel Master to Queen Elizabeth, written on the back of the title to a copy of Sir Thomas Moore's works, 1557, in his own hand-writing. To God my soul I do bequeath, because is is his

best known; Executors I will not make, thereby great stryffe

may grow;

Because the goods which I shall leave, wyll not pay all I ow. W. HUNNIS.

SINGULAR STAG HUNT .- Lord Derby's stag height from the ground of thirty feet. One of ed him, and made a rush at the man, who, had he not retreated, must have been dashed from the them, only three times, roots that were 6 inches into an adjoining pond, out of which he made a short turn through the orchard and garden, back to the roof of the barn again, with the hounds curiosity to know something more about this sait. Lord Derby's, at the Oaks, and a fresh stag was two substances together. But the combination is bottom of the well. turned out from the Home Paddock. The hounds expensive; and I wish to know whether it is found in ten minutes were laid on. The deer was ta- as a natural product, where found, and what is operation, the height to which the water has risken, after a most excellent chase of an hour and its vulgar name? Sulphat of lime, for instance, en: it would be desirable to know this on arriving a half, at Ewell. The only check during the is commonly called gypsum, or plaster of Paris, at each different kind of rock or other substance. chase was five minutes.

the sporting Sunday newspaper-visit the fancy houses-blow your steamer (1)-every night at a lush crib, (2)—associate with its frequenters, wear a poodle upper Benjamin (3), mother of pearl buttons, and lily shallow (4), and a bird's eye wife-chaff at the Fives Court, and be present at the mills-carefully mix up all the slang phrases stage coachman; you cannot fail becoming a her- Roads, and 12 from Chester Town. fect blackguard. - Economist.

Miscellaneous Items.

On board the brig Charles and Ellen, arrived at New York, from Smyrna, is a broad-tailed sheep of the Caramania breed, which was premites of "iron main and pipes," and under the ox Although I have had a knowledge of this sented to Capt. Gerry, by the Greek Admiral new system, the committee states, that "if the remedy for such a length of time, and have always them commands a very high price. It will be \$160,000. considered an interesting trait in the history of this animal, that it was taken in one of the Turkish ships captured by Admiral Tombazo.

Steam Carriage.-The Louisville Advertiser of the 19th ult. says, "Dr. Buchanan succeeded yesterday in propelling a wagon some three or four miles, with a very small capillary steam engine. The experiment, we are informed, suc ceeded beyond the most sanguine anticipations of its ingenious inventor.'

Some singular experiments have been made in France upon a very active manure, or as it is called, a vegetable stimulant.—Two and a quarter lbs. was sprinkled on the corn. Six feet distant, another portion of corn was watered with com duce of the latter. The common sun-flower (he-the quantity of water that issues from them, is

yielded with the aid of this solution, poured on rain.

Will some of your correspondents favour me in riate of lime; and with any other useful in- and tied up in at least two strong papers. formation, which their books or their experience may suggest? Its extraordinary agricultural qualities have made me anxious to become better acquainted with it .- Richmond Compiler.

A Post Office is now established at Chesterville, in your ordinary conversations—call a shilling a in Kent county, Maryland, formerly known by Bob, a coachman a Jarvie, your father or uncle a the name of New Market, Edward Hines, Esq rum old cove, and if you find yourself at a loss, appointed Post Master: said place is 5 miles from take half a dozen lessons from any Paddington the Head of Chester, 5 from George Town E case of your sorrel horse, induces me to inform

Tombazo. As this is the animal which produces city requires twelve millions of gallons of water, recommended it to others who had horses labourthe long wool used in making camblets, he is well or even more, it can readily be supplied, at an ing under this disease, with success too, still there worthy the attention of the curious, or of those annual expense of less than \$2500, whilst the are only a few who, knowing of this remedy, are who are disposed to improve our breed of animals, same quantity, by the system of steam engines willing, on all eccasions to apply it, which can be —He has a large fleece; probably of more than would require an annual expenditure of "200, accounted for in no other way than that its simtwenty pounds weight, which reaches almost to 000!" The committee add the important fact, plicity makes them incredulous as to its effects.

The ground; he is of an uncommon size, and a that if twelve millions of gallons per day should After you, Sir, have been convinced of the efficacy remarks bly fine animal, well worthy of public the disposed of at the same water which the ground of this remedy, we would do a signal convict to remarkably fine animal, well worthy of public be disposed of, at the same rate which the quant of this remedy, you would do a signal service to exhibition. We understand that these sheep are tity at present taken by the citizens produces, to the community to endeavour, through your pahi hly prized in the east, and that a single one of wit, 27,292 per year, the annual income will be per, to impress them with a sense of its ntility.

Domestic Economy.

and request each to furnish whatever may be in to the salts, which relieved homimmediately, his power, in the following order :-

when a suitable opportunity may occur.

mon water. The former yielded double the pro- numerous in the adjacent country, and whether easily.

the farmer's men got on the roof with a long pole, i lianthus) which rises at Rouen, to 6 or 8 feet materially reduced in dry seasons, and increased and attempted to drive him off, but he holdly fac- grew by this treatment to 12 or 15 feet. Potatoes during such winters as there falls much snow or

Third.—To send specimens of each kind of roof. The hounds were laid on the scent, and long, 12 in circumference, and weighing nearly 2 rock or other substance, met with in boring; and seven or eight couple absolutely gained the roof lbs. With common water, they produced puta- as a correct knowledge of their positions is imof the barn, got close to his haunches, and drove toes only half as long, and stalks in the same pro-portant, particular attention will be necessary to him from the roof into the farm-yard, from thence portion. The stimulant in question is the Muriat prevent mistakes; it will therefore be best to of Lime.

These extraordinary accounts have excited my the bed or stratum, and the distance of the hightake each as it is met with, state the thickness of close at him, and ultimately was taken and housed in the yard. The hounds then went over to lime, and can easily be formed by combining these nearest the surface as No. 1. and so on to the

Fourth.—'To note as often as possible during the

The facts ought to be written down as they How to arrive at perfection. - Regularly read the same manner, with the common name of mu- occur, and each of the specimens should be dried,

RECIPES.

CURE FOR CHOLIC IN HORSES.

Brunswick County, Feb. 12th, 1825.

To the Editor of the American Farmer.

Sir,-Noticing in No. 45, of the Farmer, the you of a never failing remedy for the cholic in the horse, having used it invariably with success (1.) a pipe. (2.) an ale-house; to be lushy, is to be drunk. (3) a rough white upper coat. (4.) a white hat.—To chaff, or chaffing, means boisterous disputation.

Large Lemon.—We were much gratified a for the last twenty-five years. I obtained my information from a travelling gentleman, who said grew at "Wheatlands," the seat of Maj. Gen. also that he never knew it to fail. It is nothing terous disputation. its greatest circumference was 123 inches—that tered in a drench. I generally guess at the quanof the middle 113: we understand it was taken tity and no doubt frequently give more, for it will from the tree in the early part of December, and do no harm. How it has this powerful and impresented by the General to a friend in this town, mediate effect, 1 submit to others to point out; but it certainly will give entire relief in fifteen or

Some time since, I cautioned my son of this remedy, who has his first horse; a few days afterwards one of my horses was taken with a violent spasms of the stomach, I carried my son out with his watch to witness the happy effects of salts; BORING FOR WATER, OR MINERALS. the horse was in such pain as to be unable to It is desirable to collect all the information on stand to be drenched, it was given him as he lay; the subject of boring into the earth we can; it in fifteen minutes he appeared to be perfectly would greatly assist in forming some general con- easy and went to a pool to drink. Notwithstandclusions, that might he of the greatest importance; ing this, his own horse (from home at the time) we therefore earnestly solicit the attention of being taken with symptoms similar to those you those who have been, or may hereafter, be en-described, instead of applying my remedy, was gaged in searching, by this means, either for persuaded, by knowing ones, to try other remefresh or salt water, or minerals, to the subject; dies with no effect, after which he had recourse

To hound Red Pepper.—One of your subscri of the salt are dissolved in 18 gallons of water. First—To describe the surrounding country, bers in a late Number wishes to know how to Mr. Dubuc, an apothecary of Rouen, sprinkled and the nearest mountains and highlands, and prepare Cayenne, or Red Pepper, for the table, a light soil with this fluid; in eight or ten days it the country between them and the place bored, Let him crush the pods a little, or clip them with was planted with maize or indian corn ;-and oc- noting their di tance from it; and to send speci- scissors, and mix them with only as much flour casionally during the season, the same solution men of the mos bu dant rocks on the surface and water as will cause the particles to adhere; being made up in the form of a biscuit, bake it Second -To state whether natural springs are slowly until perfectly dry, when it will pound

Your very humble servant, RICH. K. MEADE.

Horseradish.—One drachm of the fresh scraped root of this plant, infused with four ounces of water in a close vessel, for two hours, and made into a syrup with double its weight of sugar, is an approved recipe for removing hoarseness. tea spoonful of this has often proved suddenly effectual.

Eggs may be preserved by covering them with

() () PUBLISHED IN THE AMERICAN FARMER BY ORDER OF THE STATE.

A report of the tobacco inspected at and deliduring the quarter commencing on the 5th Oct. of a President, when, on counting the ballots, it 1824; and ending on the 3d January, 1825.

	Domestic growth.	Grawth not of this state.	Re-in- spected.	Total
Number in- spected.	119			119
Number de-	169			169

JNO. C. MOORE, Inspector.

TREASURY OFFICE, ANNAPOLIS, Jan. 20, 1825. True Copy from the original report on file in this office.

B. HARWOOD, Tr. W.S. Md.

FROM THE NEW MONTHLY MAGAZINE.

I love to hear at mournful eve The ploughman's pensive tone, And still be wending on my way When the last note is done.

I love to see the misty moon, And cross the gusty hill, And wind the darksome homeward lane When all is hush'd and still.

From way thus distant, lone and late, How sweet it is to come, And, leaving all behind so drear. Approach our pleasant home.

While every lowly lattice shines Along the village street, Where round the blazing evening fire The cheerful household meet!

And passing by each friendly door, At length we reach our own,-And find the smile of kindred love More kind by absence grown.

To sit beside the fire, and hear The threatening storm come on,-And think upon the dreary way, And traveller alone.

To see the social tea prepared, And hear the kettle's hum, And still repeated from each tongue-" How glad we are you're come !"

To sip our tea, to laugh and chat With heartfelt, social mirth, And think no spot in all the world Like our own pleasant hearth.

THE FARMER.

BALTIMORE, FRIDAY, MARCH 18, 1825.

TWe never take any part in the disputes of correspondents, but we always presume that they Onions .- A few fresh walnuts, or raw leaves of like to be right in their facts-the compariparsley, eaten immediately after dinner, will spee- sons, conclusions and inferences, we leave to them dily remove that disagreeable taint which always and our readers.—On the communication of "AG infects the breath after partaking of onions, garlic, RICOLA," in this number, all we shall say is that there has never been an "improved short-horn," (there is no other designation) steer slaugh-tered in Pennsylvania, nor one of even half of week are comparatively triffing, being only 6,900 a coat of gum arabic, and then imbedding them the genuine blood of the improved short-horusnor is it likely there will be any slaughtered, while the calves sell for \$200 a head.

The Maryland Agricultural Society, 103d. to 1s. 12d. agreeably to publick notice, met at their Ronm on Monday last .- Col N. M. Bosley having taken vered from Piscataway Inspection Warehouse the chair, the Society proceeded to the election PRICES IN THE BALTIMORE MARKET.

his acceptance of the trust.

ed the following.]

the Maryland Agricultural Society.

Dear Sir,-The undersigned, deputed by the Maryland Agricultural Society to announce to Gen. Charles Ridgely of Hampton, his unanimous election as President thereof, have the pleasure to inform the Society, through you, of his ac-nearly all sold. Of the new, but a small quantity ceptance of the appointment.

Most respectfully,

N. M. BOSLEY D. WILLIAMSON, JR.

Baltimore, 6th March, 1825.

An index and title page for this volume will be issued next week. The advance is now due for the next volume.

PRICES OF COUNTRY PRODUCE AT HOME AND ABROAD .- Our reports under this head, comcommencing with the first number of the next

to New-York, brings Liverpool dates to the 16th, and London to the 14th of February. The prices the court, in which such will is recorded, will of Cotton and Tobacco were still advancing as of Cotton and Tobacco were still advancing, as will be seen by our extracts below.

The British Parliament is chiefly occupied with debates on the suppression of the Irish Catholic Association. A French Paris paper, the Quotidienne, states that Spain, in alliance offensive and defensive with Russia, was about to declare war against England.

hilds, have changed hands, at an advance in some from late English papers received at the Office of the Amerinstance of 1d per lb. There has been rather can Farner—On storing mangel wurzel, &c.—Boring for more inquiry this week for Montreal Pot Ashes, water or minerals—Recipes—Tobacco report—Song—Ediand small lots of Pearls continue to be taken at torial notices—Prices current—Advertisement, &c the prices quoted. Both Carolina and East India Rice have been in better demand. Nosales have yet been made in new Flaxseed.

The sales in Turpentine have been considerable, at an advance of 3d per cwt.-Nothing has

taken place in Tar.

Liverpool Market, Feb. 15.

During the past week the demand for Cotton has been particularly brisk from the trade as well as from speculators, the latter of whom, directing their attention to the comparatively low price of Pernams, have bought extensively in that description, causing an advance of full 4d. per lb. upon our last week's prices; other kinds have likewise participated in the advance 3d. to 3d. per lb. being readily paid on our quotations of this day week. The actual sales are 13,600 American, American, 1330 Bahia, and 970 Egyptian.

Sea Island Georgia, 1s. 53d, to 2s. 3d.; Stained, do. 93k, to 1s. 2d.; Upland, do. 83d, to 1s.; Alabama and Tennessee, 93d. to 112d.; N. Orleans,

Red Wheat, 90 to 95 cents-white, 95 to 105appeared that General Charles Ridgely of Corn, yellow and white, 35 to 36-Flaxseed, 80-Hampton was unanimously elected. Wharf Flour, \$4.62\frac{1}{2}\tau 54.75-Susquehanna, do. On motion of Mr B. Morris, it was "Resolved, \$4.62\frac{1}{2}\to Wheat, 90 to 93 cts.—Bacon and Hams, that Col. N. M Bosley and D. Williamson, Jr be 7 to 11 cents—Cotton, Louisiana, 17 to 19 cents authorized and requested to wait on Gen. Ridgely, -Georgia, Upland, 16 to 18 cents-Alabama, and inform him of his having been unanimously 15 a 16 cts.—Cotton yarn, No, 10, 32 cts. with an elected President of the Maryland Agricultural advance of 1 cent each No. to 18—Coal, pit, for-Society, and in the name of the Society, solicit eign, per bushel, 40 cts.—Do. Virginia, 20 to 25-Susquehanna, per ton, \$6 50 a \$7-Feathers, live, [Since the above was in type, we have receiv-per lb. 33 cts.—Herrings. Susquehanna, \$2 a \$2 12 ed the following.]

—Flax seed, rough, per bushel, 90 cts.—Hops,

Jno. S. Skinner, Esq. Corresponding Secretary of fresh, per lb. 14 cts.—Hides, dried, 12 a 18 cts.— Hogs lard, 9 cts.-Lime, per bushel, 23 a 25 cts.-Meal, corn, kiln dried, per bbl \$2 25 a \$2 371-Pork, Baltimore mess, \$14 a 15-Do. prime, \$10 50 a \$11-Rice, fresh per cwt. lbs. \$3 50.

MARYLAND TOBACCO.—The old crop has been has yet been brought to market; and it is difficult to pen the prices at which it is likely to open -Such as has been sold, has gone off at prices that would have been considered good at any time within the last year.

Information Wanted.

The subscriber being an heir of Warner Miffin Veasey, and having lately understood that be-tween the dates of 1790 and 1814, a legacy has been bequeathed to said Warner M. Veasey by volume, will be more ample and satisfactory than a gentleman of the State of Maryland, whose name is not certainly known, but believe to be The Columbia packet ship from Liverpool Missin, or Veasey. Any information on the subforward a copy to me at Turner's Roads, Bertie County, (North Carolina,) he shall be handsomely compensated.

JESSE AVERITT.

CONTENTS OF THIS. NUMBER.

Treatise on soils-On the state of Agriculture, and the ap-From Myers' Liverpool Advertiser.

A brisk speculative demand has continued throughout the week for Tob-cco, and about 1200 of worl-Rye grass—To fatten poolity—Miscellaneous items blids, have changed hands at an advance in some few the first temporal and the state of Agriculture, and the application of farm labour in Massachusetts—On the culture of Indian corn—Old stock better than new—The prospects of the cotton mark-t—Post Office department—Meteorological summary in Baltimore, for the year 1824—On the price of world and the college of the cotton mark-t—Post Office department—Meteorological summary in Baltimore, for the year 1824—On the price of the cotton mark-t—Post Office department—Meteorological summary in Baltimore, for the year 1824—On the price of the cotton mark-t—Post Office department—Meteorological summary in Baltimore, for the year 1824—On the price of the cotton mark-t—Post Office department—Meteorological summary in Baltimore, for the year 1824—On the price of the cotton mark-t—Post Office department—Meteorological summary in Baltimore, for the year 1824—On the price of the cotton mark-t—Post Office department—Meteorological summary in Baltimore, for the year 1824—On the price of the cotton mark-t—Post Office department—Meteorological summary in Baltimore, for the year 1824—On the price of the cotton mark-t—Post Office department—Meteorological summary in Baltimore, for the year 1824—On the price of the cotton mark-t—Post Office department—Meteorological summary in Baltimore, for the year 1824—On the price of the cotton mark-t—Post Office department—Meteorological summary in Baltimore, for the year 1824—On the price of the cotton mark-t—Post Office department—Meteorological summary in Baltimore, for the year 1824—On the price of the cotton mark-t—Post Office department—Meteorological summary in Baltimore, for the year 1824—On the price of the price of the price of the year 1824—On the price of the price of the year 1824—On the price of the year 1824—On the price of the year 1824—On the price of

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